

December 7, 2009

Service Request No: R0906411

Janice Jaeger
Columbia Analytical Services
1 Mustard St, Suite 250
Rochester, NY 14609-0859

Laboratory Results for: Sauget-E St. Louis Residential

Dear Janice:

Enclosed are the results of the sample(s) submitted to our laboratory on November 10, 2009. For your reference, these analyses have been assigned our service request number **R0906411**.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided.

All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. In accordance to the NELAC 2003 Standard, a statement on the estimated uncertainty of measurement of any quantitative analysis will be supplied upon request.

Please contact me if you have any questions. My direct line is 281-994-2957. You may also contact me via email at JFreemyer@caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.

Jane Freemyer
Project Manager

..... *For a specific list of NELAP-accredited analytes, refer to the certifications section at*
www.caslab.com.





Certificate of Analysis

19408 Park Row, Suite 320, Houston, TX 77084

Phone (713)266-1599 Fax (713)266-0130

www.caslab.com

An Employee Owned Company

COLUMBIA ANALYTICAL SERVICES, INC

Client: Weston Solutions, Inc **Service Request No.:** R0906411
Project: Sauget-E. St. Louis Residential/20405.016.00 **Date Received:** 11/10/09
Sample Matrix: Soil

CASE NARRATIVE

All analyses were performed in adherence to the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier IV. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

Thirty-six samples were received for analysis at Columbia Analytical Services on 11/10/09.

The samples were received at 2C in good condition and are consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4C upon receipt at the laboratory.

Please note the reporting forms are currently referencing the date CAS-Rochester received the samples (11/07/09) and not the date CAS-Houston received the samples (11/10/09.)

Data Validation Notes and Discussion

B flags – Method Blanks

The Method Blank EQ0900466-01/P106031 contained low levels of OCDD at or below the Method Reporting Limit (MRL).

The Method Blank EQ0900467-01/P106058 contained low levels of 1234678-HpCDD, OCDD, 1234678-HpCDF and OCDF at or below the Method Reporting Limit (MRL).

The Method Blank EQ0900470-01/P106111 contained low levels of OCDD at or below the Method Reporting Limit (MRL).

The associated compounds in the samples are flagged with 'B' flags.

Y flags – Labeled Standards

Samples that had recoveries of labeled standards outside the acceptance limits are flagged with 'Y' flags on the Labeled Compound summary pages. In all cases, the signal-to-noise ratios are greater than 10:1, making these data acceptable.

Approved by _____ **Date** 12/08/09

Xiangqiu Liang, Laboratory Director

MS/DMS

EQ0900466: Laboratory Control Spike/Duplicate Laboratory Control Spike (LCS/DLCS) samples were analyzed and reported in lieu of an MS/DMS for this extraction batch.

EQ0900467: Laboratory Control Spike/Duplicate Laboratory Control Spike (LCS/DLCS) samples were analyzed and reported in lieu of an MS/DMS for this extraction batch.

EQ0900470: Laboratory Control Spike/Duplicate Laboratory Control Spike (LCS/DLCS) samples were analyzed and reported in lieu of an MS/DMS for this extraction batch.

C flags – 2378-TCDF Confirmation

Confirmation of the TCDF compound: When 2378-TCDF is detected on the DB-5 column, confirmation analyses are performed on a second column (DB-225.) The results from both the DB-5 column and the DB-225 column are included in this data package.

The valid result for the 2378-TCDF compound is reported from the confirmation column.

The confirmation results have been included on the Total TEQ summary pages.

MRL

Samples SE-SS-17-110509, SE-SS-18-110509, SE-SS-20-110509, SE-SS-21-110509, SE-SS-27-110609, SE-SS-28-110609, SE-SS-29-110609, SE-SS-30-110609, SE-SS-31-110609, SE-SS-32-110609, SE-SS-33-110609 required dilutions due to the presence of elevated levels of target analytes.

The undiluted and diluted results were combined into one Total TEQ summary report for each sample. This reports a 'Total' result that includes the most appropriate concentration found for the associated target analyte.

The 1234678-HpCDD and (or) 1234678-HpCDF compounds were slightly over-range for nineteen samples. The test results are flagged as 'E.' Dilutions less than 1:5 are not routinely performed by CAS-Houston, because the HRMS instrument is linear above the calibration range. Please note that the EDL for 1234789-HpCDF is often elevated with higher concentrations of 1234678-HpCDF. No further corrective action was required.

E flags

When OCDD and/or OCDF exceed the upper method calibration limit (MCL), Method 8290 Section 7.9.3 advises the chemist to "report the measured concentration and indicate that the value exceeds the MCL." We use 'E' flag on the Form 1 results to indicate a compound has exceeded the MCL.

Approved by _____ Date 12/08/09

Xiangqiu Liang, Laboratory Director

K flags

EMPC - When the ion abundance ratios associated with a particular compound are outside the QC limits, samples are flagged with a 'K' flag. A 'K' flag indicates an estimated maximum possible concentration for the associated compound.

Detection Limits

Detection limits are calculated for each congener in each sample by measuring the height of the noise level for each quantitation ion for the associated labeled standard. The concentration equivalent to 2.5 times the height of the noise is then calculated using the appropriate response factor and the weight of the sample. The calculated concentration equals the detection limit.

The TEQ Summary results for each sample have been calculated by CAS/Houston to include:

- [The 2005 World Health Organization Reevaluation of Human and Mammalian Toxic Equivalency Factors for Dioxins and Dioxin-Like Compounds](#) (M. Van den Berg et al., Toxicological Sciences 93(2):223-241, 2006)
- 2378-TCDF from the DB-225 column, when confirmation required
- Non-detected compounds are not included in the 'Total'
- The 1:1 and associated dilution have been combined into one TEQ Summary report

Approved by _____ Date 12/08/09

Xiangqiu Liang, Laboratory Director

Client: Weston Solutions, Inc.
Project: Sauge-E. St. Louis Residential/20405.016.008.0828.00

Service Request: R0906411

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
R0906411-001	SE-SS-01-110409	11/4/09	09:40
R0906411-002	SE-SS-02-110409	11/4/09	10:22
R0906411-003	SE-SS-03-110409	11/4/09	10:59
R0906411-004	SE-SS-04-110409	11/4/09	11:26
R0906411-005	SE-SS-05-110409	11/4/09	13:29
R0906411-006	SE-SS-05-110409-D	11/4/09	13:29
R0906411-007	SE-SS-06-110409	11/4/09	13:50
R0906411-008	SE-SS-07-110409	11/4/09	14:08
R0906411-009	SE-SS-08-110409	11/4/09	14:29
R0906411-010	SE-SS-09-110409	11/4/09	15:40
R0906411-011	SE-SS-10-110409	11/4/09	16:20
R0906411-012	SE-SS-11-110409	11/4/09	16:50
R0906411-013	SE-SS-12-110409	11/5/09	17:15
R0906411-014	SE-SS-13-110509	11/5/09	08:41
R0906411-015	SE-SS-14-110509	11/5/09	09:17
R0906411-016	SE-SS-15-110509	11/5/09	09:58
R0906411-017	SE-SS-16-110509	11/5/09	10:47
R0906411-018	SE-SS-17-110509	11/5/09	12:10
R0906411-019	SE-SS-18-110509	11/5/09	13:08
R0906411-020	SE-SS-19-110509	11/5/09	14:40
R0906411-021	SE-SS-20-110509	11/5/09	15:10
R0906411-022	SE-SS-21-110509	11/5/09	15:40
R0906411-023	SE-SS-22-110509	11/5/09	16:10
R0906411-024	SE-SS-23-110509	11/5/09	16:50
R0906411-025	SE-SS-23-110509-D	11/5/09	16:50
R0906411-026	SE-SS-24-110609	11/6/09	08:45
R0906411-027	SE-SS-25-110609	11/6/09	09:09
R0906411-028	SE-SS-26-110609	11/6/09	09:42
R0906411-029	SE-SS-27-110609	11/6/09	10:10
R0906411-030	SE-SS-28-110609	11/6/09	10:40
R0906411-031	SE-SS-29-110609	11/6/09	11:17
R0906411-032	SE-SS-30-110609	11/6/09	11:45
R0906411-033	SE-SS-31-110609	11/6/09	13:08
R0906411-034	SE-SS-32-110609	11/6/09	13:35
R0906411-035	SE-SS-33-110609	11/6/09	14:15
R0906411-036	SE-SS-34-110609	11/6/09	14:55

Superset Summary

8290/PCDD PCDF

Calibrations: 03/16/09 07/31/09 08/01/08 09/11/09

Data Files:

<i>Raw Data</i>	<i>Begin CCAL</i>	<i>Method Blank</i>	<i>Lab ID</i>
P106026	P106019	P106031	R0906411-001.R01
P106027	P106019	P106031	EQ0900466-02
P106028	P106019	P106031	EQ0900466-03
P106031	P106029	P106031	EQ0900466-01
P106032	P106029	P106031	R0906411-002
P106033	P106029	P106031	R0906411-003
P106034	P106029	P106031	R0906411-004
P106035	P106029	P106031	R0906411-005
P106036	P106029	P106031	R0906411-006
P106037	P106029	P106031	R0906411-007
P106038	P106029	P106031	R0906411-008
P106039	P106029	P106031	R0906411-009
P106040	P106029	P106031	R0906411-010
P106041	P106029	P106031	R0906411-011
P106047	P106043	P106031	R0906411-012
P106048	P106043	P106031	R0906411-013
P106049	P106043	P106031	R0906411-014
P106050	P106043	P106031	R0906411-015
P106051	P106043	P106031	R0906411-016
P106052	P106043	P106031	R0906411-017
P106053	P106043	P106031	R0906411-018.R02
P106058	P106057	P106058	EQ0900467-01
P106062	P106057	P106058	EQ0900467-02
P106063	P106057	P106058	EQ0900467-03
P106067	P106064	P106058	R0906411-019.R02
P106068	P106064	P106058	R0906411-020
P106069	P106064	P106058	R0906411-021.R02
P106070	P106064	P106058	R0906411-022.R02
P106072	P106064	P106058	R0906411-024
P106073	P106064	P106058	R0906411-025
P106074	P106064	P106058	R0906411-026
P106075	P106064	P106058	R0906411-027
P106076	P106064	P106058	R0906411-028
P106085	P106078	P106058	R0906411-029.R02
P106086	P106078	P106058	R0906411-030.R02
P106087	P106078	P106058	R0906411-031.R02
P106088	P106078	P106058	R0906411-032.R02
P106089	P106078	P106058	R0906411-033.R02
P106111	P106105	P106111	EQ0900470-01
P106112	P106105	P106111	EQ0900470-02
P106113	P106105	P106111	EQ0900470-03
P106295	P106292	P106031	R0906411-018
P106296	P106292	P106058	R0906411-029
P106297	P106292	P106058	R0906411-030
P106298	P106292	P106058	R0906411-031
P106299	P106292	P106058	R0906411-032
P106300	P106292	P106058	R0906411-033
P204969	P204965	P204967	R0906411-001
P204970	P204965	P204967	R0906411-002.R01
P204971	P204965	P204967	R0906411-003.R01
P204972	P204965	P204967	R0906411-004.R01

P204973	P204965	P204967	R0906411-005.R01
P204974	P204965	P204967	R0906411-006.R01
P204975	P204965	P204967	R0906411-007.R01
P204976	P204965	P204967	R0906411-008.R01
P204977	P204965	P204967	R0906411-009.R01
P204978	P204965	P204967	R0906411-010.R01
P204979	P204965	P204967	R0906411-011.R01
P204980	P204965	P204967	R0906411-012.R01
P204984	P204981	P204983	R0906411-013.R01
P204985	P204981	P204983	R0906411-014.R01
P204986	P204981	P204983	R0906411-015.R01
P204987	P204981	P204983	R0906411-016.R01
P204988	P204981	P204983	R0906411-017.R01
P204989	P204981	P204983	R0906411-018.R01
P205014	P205010	P205011	R0906411-019.R01
P205015	P205010	P205011	R0906411-020.R01
P205016	P205010	P205011	R0906411-021.R01
P205017	P205010	P205011	R0906411-022.R01
P205018	P205010	P205011	R0906411-023.R01
P205019	P205010	P205011	R0906411-024.R01
P205020	P205010	P205011	R0906411-025.R01
P205021	P205010	P205011	R0906411-026.R01
P205032	P205024	P205027	R0906411-027.R01
P205033	P205024	P205027	R0906411-028.R01
P205034	P205024	P205027	R0906411-029.R01
P205035	P205024	P205027	R0906411-030.R01
P205036	P205024	P205027	R0906411-031.R01
P205037	P205024	P205027	R0906411-032.R01
P205038	P205024	P205027	R0906411-033.R01
P205049	P205042	P205043	R0906411-034.R01
P205050	P205042	P205043	R0906411-035.R01
P205051	P205042	P205043	R0906411-036.R01
P205131	P205122	P106111	R0906411-034
P205132	P205122	P106111	R0906411-035
P205248	P205246	P106058	R0906411-023
P205249	P205246	P106058	R0906411-019
P205253	P205250	P106058	R0906411-021
P205254	P205250	P106058	R0906411-022
U133882	U133878	P106111	R0906411-034.R02
U133883	U133878	P106111	R0906411-035.R02
U133884	U133878	P106111	R0906411-036

Laboratory Certifications 2009-2010

STATE/PROGRAM	AGENCY	CERTIFICATION ID	EXP DATE
ARIZONA	AZ-DHS	AZ0725	05/26/10
ARKANSAS	ADEQ	09-048-0	06/16/10
CALIFORNIA	CA-ELAP	2452	02/28/11
FLORIDA/NELAP	FL-DOHS	E87611	06/30/10
HAWAII	HI-DOH	N/A	06/30/10
ILLINOIS/NELAP	IL-EPA	002380	10/06/10
LOUISIANA/NELAP	LELAP	03048	06/30/10
MAINE	ME-DOHS	2008031	06/05/10
MICHIGAN	MIDEQ	9971	06/30/10
MINNESOTA	MDH	048-999-427	03/25/10
NEVADA	NDEP	TX014112009A	07/31/10
NEW JERSEY	NJDEP	TX008	06/30/10
NEW MEXICO	NMED-DWB	N/A	06/30/10
NEW YORK/NELAP	NY-DOH	11707	03/31/10
NFESC/NAVY	NFESC	N/A	01/09/10
OKLAHOMA	OKDEQ	2009-25	08/31/10
OREGON/NELAP	ORELAP	TX200002-006	03/24/10
TENNESSEE	TNDEC	04016	06/30/10
TEXAS/NELAP	TCEQ	T104704216-09-TX	06/30/10
UTAH/NELAP	UTELCP	COLU2	06/30/10
SOIL IMPORT PERMIT	USDA	P330-09-00067	03/27/12
WASHINGTON/NELAP	WA-Ecology	C1855	11/14/09
WEST VIRGINIA	WVDEP	347	06/30/10

Abbreviations, Acronyms & Definitions

Cal	Calibration
Conc	CONCentration
Dioxin(s)	Polychlorinated dibenzo-p-dioxin(s)
EDL	Estimated Detection Limit
EMPC	Estimated Maximum Possible Concentration
Flags	Data qualifiers
Furan(s)	Polychlorinated dibenzofuran(s)
g	Grams
ICAL	Initial CALibration
ID	IDentifier
Ions	Masses monitored for the analyte during data acquisition
L	Liter (s)
LCS	Laboratory Control Sample
DLCS	Duplicate Laboratory Control Sample
MB	Method Blank
MCL	Method Calibration Limit
MDL	Method Detection Limit
MRL	Method Reporting Limit
mL	Milliliters
MS	Matrix Spiked sample
DMS	Duplicate Matrix Spiked sample
NO	Number of peaks meeting all identification criteria
PCDD(s)	Polychlorinated dibenzo-p-dioxin(s)
PCDF(s)	Polychlorinated dibenzofuran(s)
ppb	Parts per billion
ppm	Parts per million
ppq	Parts per quadrillion
ppt	Parts per trillion
QA	Quality Assurance
QC	Quality Control
Ratio	Ratio of areas from monitored ions for an analyte
% Rec.	Percent Recovery
RPD	Relative Percent Difference
RRF	Relative Response Factor
RT	Retention Time
RRT	Relative Retention Time
SDG	Sample Delivery Group
S/N	Signal-to-Noise ratio
TEF	Toxicity Equivalence Factor
TEQ	Toxicity Equivalence Quotient

Data Qualifier Flags – Dioxin/Furans

- **B** Indicates the associated analyte is found in the method blank, as well as in the sample.
- **C** Confirmation of the TCDF compound: When 2378-TCDF is detected on the DB-5 column, confirmation analyses are performed on a second column (DB-225). The results from both the DB-5 column and the DB-225 column are included in this data package. The results from the DB-225 analyses should be used to evaluate the 2378-TCDF in the samples. The confirmed result should be used in determining the TEQ value for TCDF.
- **E** Indicates an estimated value – used when the analyte concentration exceeds the upper end of the linear calibration range.
- **J** Indicates an estimated value – used when the analyte concentration is below the method reporting limit (MRL) and above the estimated detection limit (EDL).
- **K** EMPC - When the ion abundance ratios associated with a particular compound are outside the QC limits, samples are flagged with a 'K' flag. A 'K' flag indicates an estimated maximum possible concentration for the associated compound.
- **U** Indicates the compound was analyzed and not detected.
- **Y** Samples that had recoveries of labeled standards outside the acceptance limits are flagged with 'Y'. In all cases, the signal-to-noise ratios are greater than 10:1, making these data acceptable.
- **ND** Indicates concentration is reported as 'Not Detected.'
- **S** Peak is saturated; data not reportable.
- **P** Indicates chlorodiphenyl ether interference present at the retention time of the target compound.
- **Q** Lock-mass interference by chlorodiphenyl ether compounds.

CAS/HOU - Form Production, Peer Review & Project Review Signatures

SR# Unique ID

Confirmation

First Level - Data Processing - to be filled by person generating the forms

Date	11/19/09	Person 1	XX (-019, -020, -021, -022, -023, -024)
Date		Person 2	-025, -026

Second Level - Data Review - to be filled by person doing peer review

Date	11/19/09	Primary Data Reviewer	DB
Date		Secondary Data Reviewer	

Project Level - Review - to be filled by person doing project compliance review

Date	12/08/09	Reviewer	JF
------	----------	----------	----

CAS/HOU - Form Production, Peer Review & Project Review Signatures

SR# Unique ID R0906411

First Level - Data Processing - to be filled by person generating the forms

Date	11/16/09	Person 1	ZZ (-001)
Date		Person 2	

Second Level - Data Review - to be filled by person doing peer review

Date	11/16/09	Primary Data Reviewer	JB
Date		Secondary Data Reviewer	

Project Level - Review - to be filled by person doing project compliance review

Date	12/08/09	Reviewer	JF
------	----------	----------	----

CAS/HOU - Form Production, Peer Review & Project Review Signatures

SR# Unique ID: R0906411

Confirmation

First Level - Data Processing - to be filled by person generating the forms

Date	11/17/09	Person 1	XX (-013, -014, -015, -016, -017, -018)
Date		Person 2	

Second Level - Data Review - to be filled by person doing peer review

Date	11/23/09	Primary Data Reviewer	Jc (013-018)
Date		Secondary Data Reviewer	

Project Level - Review - to be filled by person doing project compliance review

Date	12/08/09	Reviewer	JF
------	----------	----------	----

CAS/HOU - Form Production, Peer Review & Project Review Signatures

Confirmation

SR# Unique ID R0906411

First Level - Data Processing - to be filled by person generating the forms

Date	11/17/09	Person 1	ZZ (-001, -002, -003, -004, -005, -006,
Date		Person 2	-007, -008, -009, -010, -011, -012)

Second Level - Data Review - to be filled by person doing peer review

Date	11/19/09	Primary Data Reviewer	DR
Date		Secondary Data Reviewer	

Project Level - Review - to be filled by person doing project compliance review

Date	12/08/09	Reviewer	JF
------	----------	----------	----

CAS/HOU - Form Production, Peer Review & Project Review Signatures

SR# Unique ID

Confirmation

First Level - Data Processing - to be filled by person generating the forms

Date	11/20/09	Person 1	xx (-034, -035, -036)
Date		Person 2	

Second Level - Data Review - to be filled by person doing peer review

Date	11/20/09	Primary Data Reviewer	EB
Date		Secondary Data Reviewer	

Project Level - Review - to be filled by person doing project compliance review

Date	12/08/09	Reviewer	JF
------	----------	----------	----

CAS/HOU - Form Production, Peer Review & Project Review Signatures

SR# Unique ID

R0906411

Confirmation

First Level - Data Processing - to be filled by person generating the forms

Date	11/23/09	Person 1	22 (-027, -028, -029, -030, -031, -032)
Date		Person 2	-033)

Second Level - Data Review - to be filled by person doing peer review

Date	11/24/09	Primary Data Reviewer	JC (027-033)
Date		Secondary Data Reviewer	

Project Level - Review - to be filled by person doing project compliance review

Date	12/08/09	Reviewer	JF
------	----------	----------	----

CAS/HOU - Form Production, Peer Review & Project Review Signatures

SR# Unique ID

First Level - Data Processing - to be filled by person generating the forms

Date	11/30/09	Person 1	MC (034-036)
Date		Person 2	

Second Level - Data Review - to be filled by person doing peer review

Date	12 10 09	Primary Data Reviewer	SA
Date		Secondary Data Reviewer	

Project Level - Review - to be filled by person doing project compliance review

Date	12/08/09	Reviewer	JF
------	----------	----------	----

CAS/HOU - Form Production, Peer Review & Project Review Signatures

SR# Unique ID R0906411 - 033

First Level - Data Processing - to be filled by person generating the forms

Date	12/01/09	Person 1	ZZ (029, -030, -031, -032, -033)
Date		Person 2	

Second Level - Data Review - to be filled by person doing peer review

Date	12/02/09	Primary Data Reviewer	OR
Date		Secondary Data Reviewer	

Project Level - Review - to be filled by person doing project compliance review

Date	12/08/09	Reviewer	JF
------	----------	----------	----

CAS/HOU - Form Production, Peer Review & Project Review Signatures

SR# Unique ID R0906411

First Level - Data Processing - to be filled by person generating the forms

Date	12/2/09	Person 1	cee	12-18
Date		Person 2		

Second Level - Data Review - to be filled by person doing peer review

Date	12/04/09	Primary Data Reviewer	OR	(012-018)
Date		Secondary Data Reviewer		

Project Level - Review - to be filled by person doing project compliance review

Date	12/08/09	Reviewer	JF
------	----------	----------	----

CAS/HOU - Form Production, Peer Review & Project Review Signatures

SR# Unique ID

First Level - Data Processing - to be filled by person generating the forms

Date	12/2/09	Person 1	cel	340E, 350L
Date		Person 2		

Second Level - Data Review - to be filled by person doing peer review

Date	12/4/09	Primary Data Reviewer	[Signature] (034dl, 035dl)	
Date		Secondary Data Reviewer		

Project Level - Review - to be filled by person doing project compliance review

Date	12/08/09	Reviewer	JF
------	----------	----------	----

CAS/HOU - Form Production, Peer Review & Project Review Signatures

SR# Unique ID R0906411

First Level - Data Processing - to be filled by person generating the forms

Date	12/02/09	Person 1	dx (-002, -003, -004, -005, -006, -007,
Date		Person 2	-008, -009, -010)

Second Level - Data Review - to be filled by person doing peer review

Date	12/16/09	Primary Data Reviewer	JC (002 - 010)
Date		Secondary Data Reviewer	

Project Level - Review - to be filled by person doing project compliance review

Date	12/08/09	Reviewer	JF
------	----------	----------	----

CAS/HOU - Form Production, Peer Review & Project Review Signatures

SR# Unique ID R0906411

First Level - Data Processing - to be filled by person generating the forms

Date	12/3/09	Person 1	cee	19-28
Date		Person 2		

Second Level - Data Review - to be filled by person doing peer review

Date	12/6/09	Primary Data Reviewer	jc (019-022)(024-028)	
Date		Secondary Data Reviewer		

Project Level - Review - to be filled by person doing project compliance review

Date	12/08/09	Reviewer	JF
------	----------	----------	----

CAS/HOU - Form Production, Peer Review & Project Review Signatures

SR# Unique ID: R0906411

First Level - Data Processing - to be filled by person generating the forms

Date	12/5/09	Person 1	cee	23, 19DL
Date		Person 2		

Second Level - Data Review - to be filled by person doing peer review

Date	12/7/09	Primary Data Reviewer	jc (023, 019dl)	
Date		Secondary Data Reviewer		

Project Level - Review - to be filled by person doing project compliance review

Date	12/08/09	Reviewer	JF
------	----------	----------	----

CAS/HOU - Form Production, Peer Review & Project Review Signatures

SR# Unique ID R0906411

First Level - Data Processing - to be filled by person generating the forms

Date	12/05/09	Person 1	X2 (-018DL, -029DL, -030DL, -031DL,
Date		Person 2	-032DL, -033DL)

Second Level - Data Review - to be filled by person doing peer review

Date	12/7/09	Primary Data Reviewer	gc(018dl, 029dl-033dl)
Date		Secondary Data Reviewer	

Project Level - Review - to be filled by person doing project compliance review

Date	12/08/09	Reviewer	JF
------	----------	----------	----

CAS/HOU - Form Production, Peer Review & Project Review Signatures

SR# Unique ID: R0906411

First Level - Data Processing - to be filled by person generating the forms

Date	12/7/09	Person 1	cel	2(DL, 22DL
Date		Person 2		

Second Level - Data Review - to be filled by person doing peer review

Date	12/07/09	Primary Data Reviewer	[Signature]
Date		Secondary Data Reviewer	

Project Level - Review - to be filled by person doing project compliance review

Date	12/08/09	Reviewer	JF
------	----------	----------	----



Analytical Results

19408 Park Row, Suite 320, Houston, TX 77084

Phone (713)266-1599 Fax (713)266-0130

www.caslab.com

An Employee Owned Company

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-01-110409
Lab Code: R0906411-001

Service Request: R0906411
Date Collected: 11/ 4/09 0940
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 79.3

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.901g
Data File Name: P106026
ICAL Date: 09/11/09

Date Analyzed: 11/13/09 1413
Date Extracted: 11/10/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106031
Cal Ver. File Name: P106019

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	ND	U	0.127	1.17			1
1,2,3,7,8-PeCDD	2.25	J	0.115	2.92	1.66	1.000	1
1,2,3,4,7,8-HxCDD	2.17	J	0.345	2.92	1.17	0.998	1
1,2,3,6,7,8-HxCDD	10.3		0.313	2.92	1.15	1.000	1
1,2,3,7,8,9-HxCDD	7.14		0.331	2.92	1.22	1.009	1
1,2,3,4,6,7,8-HpCDD	278		0.836	2.92	1.08	1.000	1
OCDD	4440	E	0.506	5.84	0.90	1.000	1
2,3,7,8-TCDF	6.89	C	0.531	1.17	0.78	1.001	1
1,2,3,7,8-PeCDF	2.51	J	0.293	2.92	1.73	1.001	1
2,3,4,7,8-PeCDF	2.51	J	0.290	2.92	1.56	1.025	1
1,2,3,4,7,8-HxCDF	8.64		0.771	2.92	1.37	1.000	1
1,2,3,6,7,8-HxCDF	5.40		0.736	2.92	1.17	1.003	1
1,2,3,7,8,9-HxCDF	ND	U	0.988	2.92			1
2,3,4,6,7,8-HxCDF	5.46		0.843	2.92	1.28	1.017	1
1,2,3,4,6,7,8-HpCDF	80.4		0.555	2.92	1.06	1.000	1
1,2,3,4,7,8,9-HpCDF	8.95		0.771	2.92	1.11	1.034	1
OCDF	288		0.173	5.84	0.90	1.004	1
Total Tetra-Dioxins	15.4		0.127	1.17	0.79		1
Total Penta-Dioxins	32.5		0.115	2.92	1.52		1
Total Hexa-Dioxins	89.1		0.313	2.92	1.28		1
Total Hepta-Dioxins	608		0.836	2.92	1.03		1
Total Tetra-Furans	45.2		0.531	1.17	0.70		1
Total Penta-Furans	50.5		0.290	2.92	1.64		1
Total Hexa-Furans	91.9		0.736	2.92	1.24		1
Total Hepta-Furans	239		0.555	2.92	1.06		1

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-01-110409
Lab Code: R0906411-001

Service Request: R0906411
Date Collected: 11/ 4/09 0940
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 79.3

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.901g
Data File Name: P106026
ICAL Date: 09/11/09

Date Analyzed: 11/13/09 1413
Date Extracted: 11/10/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106031
Cal Ver. File Name: P106019

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1000	698.820	70		40-135	0.82	1.010
13C-1,2,3,7,8-PeCDD	1000	736.874	74		40-135	1.56	1.178
13C-1,2,3,6,7,8-HxCDD	2500	1729.646	69		40-135	1.26	0.992
13C-1,2,3,4,6,7,8-HpCDD	2500	1588.774	64		40-135	1.03	1.068
13C-OCDD	5000	2274.570	45		40-135	0.88	1.148
13C-2,3,7,8-TCDF	1000	687.124	69		40-135	0.79	0.979
13C-1,2,3,7,8-PeCDF	1000	812.029	81		40-135	1.56	1.139
13C-1,2,3,4,7,8-HxCDF	2500	1844.375	74		40-135	0.51	0.970
13C-1,2,3,4,6,7,8-HpCDF	2500	1535.688	61		40-135	0.44	1.044
37Cl-2,3,7,8-TCDD	800	705.418	88		40-135	NA	1.010

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-01-110409
Lab Code: R0906411-001

Service Request: R0906411
Date Collected: 11/ 4/09 0940
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	ND	0.127	1	1	
1,2,3,7,8-PeCDD	2.25	0.115	1	1	2.25
1,2,3,4,7,8-HxCDD	2.17	0.345	1	0.1	0.217
1,2,3,6,7,8-HxCDD	10.3	0.313	1	0.1	1.03
1,2,3,7,8,9-HxCDD	7.14	0.331	1	0.1	0.714
1,2,3,4,6,7,8-HpCDD	278	0.836	1	0.01	2.78
OCDD	4440	0.506	1	0.0003	1.33
2,3,7,8-TCDF	2.82	0.0912	1	0.1	0.282
1,2,3,7,8-PeCDF	2.51	0.293	1	0.03	0.0753
2,3,4,7,8-PeCDF	2.51	0.290	1	0.3	0.753
1,2,3,4,7,8-HxCDF	8.64	0.771	1	0.1	0.864
1,2,3,6,7,8-HxCDF	5.40	0.736	1	0.1	0.540
1,2,3,7,8,9-HxCDF	ND	0.988	1	0.1	
2,3,4,6,7,8-HxCDF	5.46	0.843	1	0.1	0.546
1,2,3,4,6,7,8-HpCDF	80.4	0.555	1	0.01	0.804
1,2,3,4,7,8,9-HpCDF	8.95	0.771	1	0.01	0.0895
OCDF	288	0.173	1	0.0003	0.0864
Total TEQ					12.4

2005 WHO TEFs, ND = 0

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-01-110409
Lab Code: R0906411-001
Run Type: Reanalysis

Service Request: R0906411
Date Collected: 11/ 4/09 0940
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 79.3

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.901g
Data File Name: P204969
ICAL Date: 03/16/09

Date Analyzed: 11/15/09 0010
Date Extracted: 11/10/09
Instrument Name: E-HRMS-04
GC Column: DB-225
Blank File Name: P204967
Cal Ver. File Name: P204965

Analyte Name	Result Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	2.82	0.0912	1.16	0.81	1.001	1

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	1000	746.482	75		40-135	0.76	1.059
37Cl-2,3,7,8-TCDD	800	729.346	91		40-135	NA	0.986

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-02-110409
Lab Code: R0906411-002

Service Request: R0906411
Date Collected: 11/ 4/09 1022
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 79.2

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.579g
Data File Name: P106032
ICAL Date: 09/11/09

Date Analyzed: 11/13/09 2005
Date Extracted: 11/10/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106031
Cal Ver. File Name: P106029

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	1.18	J	0.134	1.19	0.86	1.001	1
1,2,3,7,8-PeCDD	2.54	J	0.176	2.98	1.35	1.000	1
1,2,3,4,7,8-HxCDD	3.23		0.211	2.98	1.24	0.999	1
1,2,3,6,7,8-HxCDD	11.2		0.192	2.98	1.32	1.000	1
1,2,3,7,8,9-HxCDD	7.63		0.203	2.98	1.26	1.009	1
1,2,3,4,6,7,8-HpCDD	293		0.578	2.98	1.05	1.000	1
OCDD	4430	BE	0.214	5.97	0.89	1.000	1
2,3,7,8-TCDF	11.5	C	0.276	1.19	0.75	1.001	1
1,2,3,7,8-PeCDF	4.07		0.218	2.98	1.48	1.000	1
2,3,4,7,8-PeCDF	3.56		0.216	2.98	1.57	1.024	1
1,2,3,4,7,8-HxCDF	12.9		0.208	2.98	1.29	1.000	1
1,2,3,6,7,8-HxCDF	8.85		0.199	2.98	1.31	1.003	1
1,2,3,7,8,9-HxCDF	ND	U	0.266	2.98			1
2,3,4,6,7,8-HxCDF	9.40		0.227	2.98	1.32	1.016	1
1,2,3,4,6,7,8-HpCDF	111		0.622	2.98	1.05	1.000	1
1,2,3,4,7,8,9-HpCDF	12.3		0.865	2.98	1.12	1.034	1
OCDF	377		0.148	5.97	0.88	1.004	1
Total Tetra-Dioxins	26.2		0.134	1.19	0.82		1
Total Penta-Dioxins	36.2		0.176	2.98	1.51		1
Total Hexa-Dioxins	102		0.192	2.98	1.32		1
Total Hepta-Dioxins	645		0.578	2.98	1.04		1
Total Tetra-Furans	77.9		0.276	1.19	0.80		1
Total Penta-Furans	112		0.216	2.98	1.59		1
Total Hexa-Furans	153		0.199	2.98	1.30		1
Total Hepta-Furans	299		0.622	2.98	1.05		1

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-02-110409
Lab Code: R0906411-002

Service Request: R0906411
Date Collected: 11/ 4/09 1022
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 79.2

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.579g
Data File Name: P106032
ICAL Date: 09/11/09

Date Analyzed: 11/13/09 2005
Date Extracted: 11/10/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106031
Cal Ver. File Name: P106029

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1000	692.339	69		40-135	0.80	1.009
13C-1,2,3,7,8-PeCDD	1000	706.458	71		40-135	1.56	1.178
13C-1,2,3,6,7,8-HxCDD	2500	1642.549	66		40-135	1.27	0.992
13C-1,2,3,4,6,7,8-HpCDD	2500	1591.313	64		40-135	1.07	1.068
13C-OCDD	5000	2454.907	49		40-135	0.89	1.148
13C-2,3,7,8-TCDF	1000	676.894	68		40-135	0.77	0.979
13C-1,2,3,7,8-PeCDF	1000	750.407	75		40-135	1.58	1.139
13C-1,2,3,4,7,8-HxCDF	2500	1757.972	70		40-135	0.51	0.971
13C-1,2,3,4,6,7,8-HpCDF	2500	1609.099	64		40-135	0.43	1.045
37Cl-2,3,7,8-TCDD	800	662.067	83		40-135	NA	1.011

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-02-110409
Lab Code: R0906411-002

Service Request: R0906411
Date Collected: 11/ 4/09 1022
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	1.18	0.134	1	1	1.18
1,2,3,7,8-PeCDD	2.54	0.176	1	1	2.54
1,2,3,4,7,8-HxCDD	3.23	0.211	1	0.1	0.323
1,2,3,6,7,8-HxCDD	11.2	0.192	1	0.1	1.12
1,2,3,7,8,9-HxCDD	7.63	0.203	1	0.1	0.763
1,2,3,4,6,7,8-HpCDD	293	0.578	1	0.01	2.93
OCDD	4430	0.214	1	0.0003	1.33
2,3,7,8-TCDF	5.94	0.0712	1	0.1	0.594
1,2,3,7,8-PeCDF	4.07	0.218	1	0.03	0.122
2,3,4,7,8-PeCDF	3.56	0.216	1	0.3	1.07
1,2,3,4,7,8-HxCDF	12.9	0.208	1	0.1	1.29
1,2,3,6,7,8-HxCDF	8.85	0.199	1	0.1	0.885
1,2,3,7,8,9-HxCDF	ND	0.266	1	0.1	
2,3,4,6,7,8-HxCDF	9.40	0.227	1	0.1	0.940
1,2,3,4,6,7,8-HpCDF	111	0.622	1	0.01	1.11
1,2,3,4,7,8,9-HpCDF	12.3	0.865	1	0.01	0.123
OCDF	377	0.148	1	0.0003	0.113
Total TEQ					16.4

2005 WHO TEFs, ND = 0

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-02-110409
Lab Code: R0906411-002
Run Type: Reanalysis

Service Request: R0906411
Date Collected: 11/ 4/09 1022
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 79.2

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.579g
Data File Name: P204970
ICAL Date: 03/16/09

Date Analyzed: 11/15/09 0047
Date Extracted: 11/10/09
Instrument Name: E-HRMS-04
GC Column: DB-225
Blank File Name: P204967
Cal Ver. File Name: P204965

Analyte Name	Result Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	5.94	0.0712	1.19	0.74	1.001	1

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	1000	668.828	67		40-135	0.76	1.059
37Cl-2,3,7,8-TCDD	800	640.960	80		40-135	NA	0.986

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-03-110409
Lab Code: R0906411-003

Service Request: R0906411
Date Collected: 11/ 4/09 1059
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 77.8

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.299g
Data File Name: P106033
ICAL Date: 09/11/09

Date Analyzed: 11/13/09 2053
Date Extracted: 11/10/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106031
Cal Ver. File Name: P106029

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	1.21	JK	0.0786	1.25	0.64	1.001	1
1,2,3,7,8-PeCDD	4.51	K	0.0924	3.12	1.84	1.000	1
1,2,3,4,7,8-HxCDD	10.4		0.0969	3.12	1.28	0.998	1
1,2,3,6,7,8-HxCDD	28.2		0.0879	3.12	1.26	1.000	1
1,2,3,7,8,9-HxCDD	27.6		0.0932	3.12	1.28	1.009	1
1,2,3,4,6,7,8-HpCDD	836	E	0.158	3.12	1.06	1.000	1
OCDD	7880	BE	0.235	6.24	0.90	1.000	1
2,3,7,8-TCDF	18.4	C	0.235	1.25	0.80	1.001	1
1,2,3,7,8-PeCDF	5.36		0.319	3.12	1.52	1.000	1
2,3,4,7,8-PeCDF	7.49		0.316	3.12	1.56	1.024	1
1,2,3,4,7,8-HxCDF	30.0		0.239	3.12	1.25	1.000	1
1,2,3,6,7,8-HxCDF	19.1		0.229	3.12	1.28	1.003	1
1,2,3,7,8,9-HxCDF	ND	U	0.306	3.12			1
2,3,4,6,7,8-HxCDF	23.8		0.262	3.12	1.41	1.017	1
1,2,3,4,6,7,8-HpCDF	256		0.598	3.12	1.07	1.000	1
1,2,3,4,7,8,9-HpCDF	14.7		0.831	3.12	1.03	1.033	1
OCDF	612		0.166	6.24	0.91	1.004	1
Total Tetra-Dioxins	44.3		0.0786	1.25	0.81		1
Total Penta-Dioxins	36.9		0.0924	3.12	1.60		1
Total Hexa-Dioxins	306		0.0879	3.12	1.29		1
Total Hepta-Dioxins	1750		0.158	3.12	1.07		1
Total Tetra-Furans	111		0.235	1.25	0.81		1
Total Penta-Furans	185		0.316	3.12	1.59		1
Total Hexa-Furans	339		0.229	3.12	1.27		1
Total Hepta-Furans	608		0.598	3.12	1.07		1

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-03-110409
Lab Code: R0906411-003

Service Request: R0906411
Date Collected: 11/ 4/09 1059
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 77.8

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.299g
Data File Name: P106033
ICAL Date: 09/11/09

Date Analyzed: 11/13/09 2053
Date Extracted: 11/10/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106031
Cal Ver. File Name: P106029

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1000	759.012	76		40-135	0.80	1.009
13C-1,2,3,7,8-PeCDD	1000	798.333	80		40-135	1.56	1.178
13C-1,2,3,6,7,8-HxCDD	2500	1680.646	67		40-135	1.23	0.992
13C-1,2,3,4,6,7,8-HpCDD	2500	1590.231	64		40-135	1.07	1.069
13C-OCDD	5000	2308.088	46		40-135	0.90	1.148
13C-2,3,7,8-TCDF	1000	763.685	76		40-135	0.78	0.979
13C-1,2,3,7,8-PeCDF	1000	838.229	84		40-135	1.56	1.139
13C-1,2,3,4,7,8-HxCDF	2500	1833.435	73		40-135	0.51	0.971
13C-1,2,3,4,6,7,8-HpCDF	2500	1564.831	63		40-135	0.43	1.045
37Cl-2,3,7,8-TCDD	800	729.033	91		40-135	NA	1.011

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-03-110409
Lab Code: R0906411-003

Service Request: R0906411
Date Collected: 11/ 4/09 1059
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	1.21	0.0786	1	1	1.21
1,2,3,7,8-PeCDD	4.51	0.0924	1	1	4.51
1,2,3,4,7,8-HxCDD	10.4	0.0969	1	0.1	1.04
1,2,3,6,7,8-HxCDD	28.2	0.0879	1	0.1	2.82
1,2,3,7,8,9-HxCDD	27.6	0.0932	1	0.1	2.76
1,2,3,4,6,7,8-HpCDD	836	0.158	1	0.01	8.36
OCDD	7880	0.235	1	0.0003	2.36
2,3,7,8-TCDF	4.44	0.107	1	0.1	0.444
1,2,3,7,8-PeCDF	5.36	0.319	1	0.03	0.161
2,3,4,7,8-PeCDF	7.49	0.316	1	0.3	2.25
1,2,3,4,7,8-HxCDF	30.0	0.239	1	0.1	3.00
1,2,3,6,7,8-HxCDF	19.1	0.229	1	0.1	1.91
1,2,3,7,8,9-HxCDF	ND	0.306	1	0.1	
2,3,4,6,7,8-HxCDF	23.8	0.262	1	0.1	2.38
1,2,3,4,6,7,8-HpCDF	256	0.598	1	0.01	2.56
1,2,3,4,7,8,9-HpCDF	14.7	0.831	1	0.01	0.147
OCDF	612	0.166	1	0.0003	0.184
Total TEQ					36.1

2005 WHO TEFs, ND = 0

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-03-110409
Lab Code: R0906411-003
Run Type: Reanalysis

Service Request: R0906411
Date Collected: 11/ 4/09 1059
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 77.8

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.299g
Data File Name: P204971
ICAL Date: 03/16/09

Date Analyzed: 11/15/09 0124
Date Extracted: 11/10/09
Instrument Name: E-HRMS-04
GC Column: DB-225
Blank File Name: P204967
Cal Ver. File Name: P204965

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	4.44		0.107	1.25	0.84	1.001	1

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	1000	748.828	75		40-135	0.76	1.059
37Cl-2,3,7,8-TCDD	800	705.656	88		40-135	NA	0.986

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-04-110409
Lab Code: R0906411-004

Service Request: R0906411
Date Collected: 11/ 4/09 1126
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 77.4

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 11.339g
Data File Name: P106034
ICAL Date: 09/11/09

Date Analyzed: 11/13/09 2140
Date Extracted: 11/10/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106031
Cal Ver. File Name: P106029

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	3.91		0.127	1.14	0.80	1.001	1
1,2,3,7,8-PeCDD	7.52		0.137	2.85	1.58	1.000	1
1,2,3,4,7,8-HxCDD	12.2		0.130	2.85	1.26	0.999	1
1,2,3,6,7,8-HxCDD	43.3		0.118	2.85	1.30	1.000	1
1,2,3,7,8,9-HxCDD	31.7		0.125	2.85	1.28	1.009	1
1,2,3,4,6,7,8-HpCDD	1290	E	1.57	2.85	1.06	1.001	1
OCDD	18500	BE	0.480	5.70	0.90	1.000	1
2,3,7,8-TCDF	34.8	C	0.353	1.14	0.75	1.001	1
1,2,3,7,8-PeCDF	11.6		0.402	2.85	1.46	1.001	1
2,3,4,7,8-PeCDF	16.2		0.397	2.85	1.53	1.025	1
1,2,3,4,7,8-HxCDF	51.2		0.321	2.85	1.23	1.000	1
1,2,3,6,7,8-HxCDF	29.8		0.307	2.85	1.16	1.003	1
1,2,3,7,8,9-HxCDF	ND	U	0.411	2.85			1
2,3,4,6,7,8-HxCDF	35.1		0.351	2.85	1.13	1.017	1
1,2,3,4,6,7,8-HpCDF	369		0.561	2.85	1.02	1.000	1
1,2,3,4,7,8,9-HpCDF	33.2		0.781	2.85	1.05	1.034	1
OCDF	1440	E	0.217	5.70	0.90	1.004	1
Total Tetra-Dioxins	94.7		0.127	1.14	0.76		1
Total Penta-Dioxins	85.5		0.137	2.85	1.50		1
Total Hexa-Dioxins	392		0.118	2.85	1.27		1
Total Hepta-Dioxins	2960		1.57	2.85	1.04		1
Total Tetra-Furans	234		0.353	1.14	0.69		1
Total Penta-Furans	459		0.397	2.85	1.59		1
Total Hexa-Furans	604		0.307	2.85	1.25		1
Total Hepta-Furans	1110		0.561	2.85	1.02		1

Comments: _____

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-04-110409
Lab Code: R0906411-004

Service Request: R0906411
Date Collected: 11/ 4/09 1126
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 77.4

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 11.339g
Data File Name: P106034
ICAL Date: 09/11/09

Date Analyzed: 11/13/09 2140
Date Extracted: 11/10/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106031
Cal Ver. File Name: P106029

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1000	715.283	72		40-135	0.82	1.009
13C-1,2,3,7,8-PeCDD	1000	710.878	71		40-135	1.55	1.178
13C-1,2,3,6,7,8-HxCDD	2500	1578.149	63		40-135	1.26	0.991
13C-1,2,3,4,6,7,8-HpCDD	2500	1463.319	59		40-135	1.09	1.068
13C-OCDD	5000	1867.917	37	Y	40-135	0.88	1.148
13C-2,3,7,8-TCDF	1000	660.929	66		40-135	0.79	0.979
13C-1,2,3,7,8-PeCDF	1000	738.578	74		40-135	1.56	1.138
13C-1,2,3,4,7,8-HxCDF	2500	1748.500	70		40-135	0.52	0.971
13C-1,2,3,4,6,7,8-HpCDF	2500	1461.662	58		40-135	0.44	1.045
37Cl-2,3,7,8-TCDD	800	692.294	87		40-135	NA	1.010

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-04-110409
Lab Code: R0906411-004

Service Request: R0906411
Date Collected: 11/ 4/09 1126
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	3.91	0.127	1	1	3.91
1,2,3,7,8-PeCDD	7.52	0.137	1	1	7.52
1,2,3,4,7,8-HxCDD	12.2	0.130	1	0.1	1.22
1,2,3,6,7,8-HxCDD	43.3	0.118	1	0.1	4.33
1,2,3,7,8,9-HxCDD	31.7	0.125	1	0.1	3.17
1,2,3,4,6,7,8-HpCDD	1290	1.57	1	0.01	12.9
OCDD	18500	0.480	1	0.0003	5.55
2,3,7,8-TCDF	16.8	0.147	1	0.1	1.68
1,2,3,7,8-PeCDF	11.6	0.402	1	0.03	0.348
2,3,4,7,8-PeCDF	16.2	0.397	1	0.3	4.86
1,2,3,4,7,8-HxCDF	51.2	0.321	1	0.1	5.12
1,2,3,6,7,8-HxCDF	29.8	0.307	1	0.1	2.98
1,2,3,7,8,9-HxCDF	ND	0.411	1	0.1	
2,3,4,6,7,8-HxCDF	35.1	0.351	1	0.1	3.51
1,2,3,4,6,7,8-HpCDF	369	0.561	1	0.01	3.69
1,2,3,4,7,8,9-HpCDF	33.2	0.781	1	0.01	0.332
OCDF	1440	0.217	1	0.0003	0.432
Total TEQ					61.6

2005 WHO TEFs, ND = 0

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-04-110409
Lab Code: R0906411-004
Run Type: Reanalysis

Service Request: R0906411
Date Collected: 11/ 4/09 1126
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 77.4

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 11.339g
Data File Name: P204972
ICAL Date: 03/16/09

Date Analyzed: 11/15/09 0201
Date Extracted: 11/10/09
Instrument Name: E-HRMS-04
GC Column: DB-225
Blank File Name: P204967
Cal Ver. File Name: P204965

Analyte Name	Result Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	16.8	0.147	1.14	0.78	1.000	1

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	1000	665.754	67		40-135	0.75	1.059
37Cl-2,3,7,8-TCDD	800	673.339	84		40-135	NA	0.985

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-05-110409
Lab Code: R0906411-005

Service Request: R0906411
Date Collected: 11/ 4/09 1329
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 79.7

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.669g
Data File Name: P106035
ICAL Date: 09/11/09

Date Analyzed: 11/13/09 2228
Date Extracted: 11/10/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106031
Cal Ver. File Name: P106029

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	0.711	J	0.132	1.18	0.66	1.001	1
1,2,3,7,8-PeCDD	1.70	J	0.119	2.94	1.49	1.000	1
1,2,3,4,7,8-HxCDD	3.03		0.173	2.94	1.24	0.998	1
1,2,3,6,7,8-HxCDD	8.05		0.157	2.94	1.32	1.000	1
1,2,3,7,8,9-HxCDD	5.92		0.166	2.94	1.29	1.009	1
1,2,3,4,6,7,8-HpCDD	257		0.474	2.94	1.03	1.000	1
OCDD	4020	BE	0.572	5.88	0.90	1.000	1
2,3,7,8-TCDF	6.20	C	0.172	1.18	0.79	1.001	1
1,2,3,7,8-PeCDF	2.18	J	0.136	2.94	1.77	1.001	1
2,3,4,7,8-PeCDF	3.03		0.134	2.94	1.64	1.025	1
1,2,3,4,7,8-HxCDF	8.05		0.654	2.94	1.29	1.000	1
1,2,3,6,7,8-HxCDF	4.31		0.625	2.94	1.22	1.003	1
1,2,3,7,8,9-HxCDF	ND	U	0.838	2.94			1
2,3,4,6,7,8-HxCDF	3.96		0.716	2.94	1.35	1.017	1
1,2,3,4,6,7,8-HpCDF	60.7		0.338	2.94	1.05	1.000	1
1,2,3,4,7,8,9-HpCDF	6.47		0.470	2.94	1.18	1.033	1
OCDF	245		0.321	5.88	0.88	1.004	1
Total Tetra-Dioxins	17.2		0.132	1.18	0.79		1
Total Penta-Dioxins	21.5		0.119	2.94	1.56		1
Total Hexa-Dioxins	81.6		0.157	2.94	1.24		1
Total Hepta-Dioxins	620		0.474	2.94	1.05		1
Total Tetra-Furans	43.7		0.172	1.18	0.78		1
Total Penta-Furans	58.3		0.134	2.94	1.55		1
Total Hexa-Furans	84.2		0.625	2.94	1.28		1
Total Hepta-Furans	185		0.338	2.94	1.05		1

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-05-110409
Lab Code: R0906411-005

Service Request: R0906411
Date Collected: 11/ 4/09 1329
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 79.7

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.669g
Data File Name: P106035
ICAL Date: 09/11/09

Date Analyzed: 11/13/09 2228
Date Extracted: 11/10/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106031
Cal Ver. File Name: P106029

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1000	731.878	73		40-135	0.80	1.009
13C-1,2,3,7,8-PeCDD	1000	798.246	80		40-135	1.59	1.177
13C-1,2,3,6,7,8-HxCDD	2500	1757.805	70		40-135	1.25	0.991
13C-1,2,3,4,6,7,8-HpCDD	2500	1737.654	70		40-135	1.05	1.068
13C-OCDD	5000	2558.429	51		40-135	0.90	1.148
13C-2,3,7,8-TCDF	1000	775.682	78		40-135	0.77	0.978
13C-1,2,3,7,8-PeCDF	1000	847.873	85		40-135	1.63	1.138
13C-1,2,3,4,7,8-HxCDF	2500	1951.970	78		40-135	0.51	0.971
13C-1,2,3,4,6,7,8-HpCDF	2500	1736.593	69		40-135	0.44	1.045
37Cl-2,3,7,8-TCDD	800	704.592	88		40-135	NA	1.010

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-05-110409
Lab Code: R0906411-005

Service Request: R0906411
Date Collected: 11/ 4/09 1329
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	0.711	0.132	1	1	0.711
1,2,3,7,8-PeCDD	1.70	0.119	1	1	1.70
1,2,3,4,7,8-HxCDD	3.03	0.173	1	0.1	0.303
1,2,3,6,7,8-HxCDD	8.05	0.157	1	0.1	0.805
1,2,3,7,8,9-HxCDD	5.92	0.166	1	0.1	0.592
1,2,3,4,6,7,8-HpCDD	257	0.474	1	0.01	2.57
OCDD	4020	0.572	1	0.0003	1.21
2,3,7,8-TCDF	2.29	0.0986	1	0.1	0.229
1,2,3,7,8-PeCDF	2.18	0.136	1	0.03	0.0654
2,3,4,7,8-PeCDF	3.03	0.134	1	0.3	0.909
1,2,3,4,7,8-HxCDF	8.05	0.654	1	0.1	0.805
1,2,3,6,7,8-HxCDF	4.31	0.625	1	0.1	0.431
1,2,3,7,8,9-HxCDF	ND	0.838	1	0.1	
2,3,4,6,7,8-HxCDF	3.96	0.716	1	0.1	0.396
1,2,3,4,6,7,8-HpCDF	60.7	0.338	1	0.01	0.607
1,2,3,4,7,8,9-HpCDF	6.47	0.470	1	0.01	0.0647
OCDF	245	0.321	1	0.0003	0.0735
Total TEQ					11.5

2005 WHO TEFs, ND = 0

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-05-110409
Lab Code: R0906411-005
Run Type: Reanalysis

Service Request: R0906411
Date Collected: 11/ 4/09 1329
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 79.7

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.669g
Data File Name: P204973
ICAL Date: 03/16/09

Date Analyzed: 11/15/09 0238
Date Extracted: 11/10/09
Instrument Name: E-HRMS-04
GC Column: DB-225
Blank File Name: P204967
Cal Ver. File Name: P204965

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	2.29	K	0.0986	1.18	0.91	1.000	1

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	1000	752.855	75		40-135	0.76	1.059
37Cl-2,3,7,8-TCDD	800	676.612	85		40-135	NA	0.986

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-05-110409-D
Lab Code: R0906411-006

Service Request: R0906411
Date Collected: 11/ 4/09 1329
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 80.2

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.211g
Data File Name: P106036
ICAL Date: 09/11/09

Date Analyzed: 11/13/09 2316
Date Extracted: 11/10/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106031
Cal Ver. File Name: P106029

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	0.858	J	0.0915	1.22	0.76	1.001	1
1,2,3,7,8-PeCDD	1.90	J	0.107	3.05	1.66	1.000	1
1,2,3,4,7,8-HxCDD	3.09		0.174	3.05	1.23	0.998	1
1,2,3,6,7,8-HxCDD	10.1		0.158	3.05	1.30	1.000	1
1,2,3,7,8,9-HxCDD	7.62		0.167	3.05	1.26	1.009	1
1,2,3,4,6,7,8-HpCDD	302		0.738	3.05	1.05	1.000	1
OCDD	4690	BE	0.370	6.11	0.89	1.000	1
2,3,7,8-TCDF	6.70	C	0.305	1.22	0.75	1.001	1
1,2,3,7,8-PeCDF	2.36	J	0.193	3.05	1.71	1.001	1
2,3,4,7,8-PeCDF	2.72	J	0.191	3.05	1.68	1.025	1
1,2,3,4,7,8-HxCDF	9.01		0.192	3.05	1.25	1.000	1
1,2,3,6,7,8-HxCDF	5.31		0.184	3.05	1.27	1.003	1
1,2,3,7,8,9-HxCDF	ND	U	0.246	3.05			1
2,3,4,6,7,8-HxCDF	6.24		0.210	3.05	1.27	1.017	1
1,2,3,4,6,7,8-HpCDF	71.6		0.770	3.05	1.03	1.000	1
1,2,3,4,7,8,9-HpCDF	7.29		1.08	3.05	1.05	1.034	1
OCDF	295		0.285	6.11	0.94	1.004	1
Total Tetra-Dioxins	21.2		0.0915	1.22	0.79		1
Total Penta-Dioxins	24.4		0.107	3.05	1.65		1
Total Hexa-Dioxins	97.3		0.158	3.05	1.22		1
Total Hepta-Dioxins	742		0.738	3.05	1.07		1
Total Tetra-Furans	42.4		0.305	1.22	0.70		1
Total Penta-Furans	70.6		0.191	3.05	1.60		1
Total Hexa-Furans	98.4		0.184	3.05	1.26		1
Total Hepta-Furans	222		0.770	3.05	1.03		1

Comments: _____

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-05-110409-D
Lab Code: R0906411-006

Service Request: R0906411
Date Collected: 11/ 4/09 1329
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 80.2

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.211g
Data File Name: P106036
ICAL Date: 09/11/09

Date Analyzed: 11/13/09 2316
Date Extracted: 11/10/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106031
Cal Ver. File Name: P106029

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1000	664.301	66		40-135	0.80	1.009
13C-1,2,3,7,8-PeCDD	1000	679.511	68		40-135	1.57	1.178
13C-1,2,3,6,7,8-HxCDD	2500	1538.376	62		40-135	1.25	0.991
13C-1,2,3,4,6,7,8-HpCDD	2500	1412.129	56		40-135	1.07	1.068
13C-OCDD	5000	2048.342	41		40-135	0.88	1.148
13C-2,3,7,8-TCDF	1000	660.222	66		40-135	0.79	0.979
13C-1,2,3,7,8-PeCDF	1000	712.822	71		40-135	1.60	1.138
13C-1,2,3,4,7,8-HxCDF	2500	1700.958	68		40-135	0.52	0.971
13C-1,2,3,4,6,7,8-HpCDF	2500	1429.615	57		40-135	0.43	1.045
37Cl-2,3,7,8-TCDD	800	663.233	83		40-135	NA	1.010

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-05-110409-D
Lab Code: R0906411-006

Service Request: R0906411
Date Collected: 11/ 4/09 1329
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	0.858	0.0915	1	1	0.858
1,2,3,7,8-PeCDD	1.90	0.107	1	1	1.90
1,2,3,4,7,8-HxCDD	3.09	0.174	1	0.1	0.309
1,2,3,6,7,8-HxCDD	10.1	0.158	1	0.1	1.01
1,2,3,7,8,9-HxCDD	7.62	0.167	1	0.1	0.762
1,2,3,4,6,7,8-HpCDD	302	0.738	1	0.01	3.02
OCDD	4690	0.370	1	0.0003	1.41
2,3,7,8-TCDF	2.72	0.0581	1	0.1	0.272
1,2,3,7,8-PeCDF	2.36	0.193	1	0.03	0.0708
2,3,4,7,8-PeCDF	2.72	0.191	1	0.3	0.816
1,2,3,4,7,8-HxCDF	9.01	0.192	1	0.1	0.901
1,2,3,6,7,8-HxCDF	5.31	0.184	1	0.1	0.531
1,2,3,7,8,9-HxCDF	ND	0.246	1	0.1	
2,3,4,6,7,8-HxCDF	6.24	0.210	1	0.1	0.624
1,2,3,4,6,7,8-HpCDF	71.6	0.770	1	0.01	0.716
1,2,3,4,7,8,9-HpCDF	7.29	1.08	1	0.01	0.0729
OCDF	295	0.285	1	0.0003	0.0885
Total TEQ					13.4

2005 WHO TEFs, ND = 0

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-05-110409-D
Lab Code: R0906411-006
Run Type: Reanalysis

Service Request: R0906411
Date Collected: 11/ 4/09 1329
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 80.2

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.211g
Data File Name: P204974
ICAL Date: 03/16/09

Date Analyzed: 11/15/09 0314
Date Extracted: 11/10/09
Instrument Name: E-HRMS-04
GC Column: DB-225
Blank File Name: P204967
Cal Ver. File Name: P204965

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	2.72		0.0581	1.22	0.78	1.001	1

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	1000	653.263	65		40-135	0.75	1.059
37Cl-2,3,7,8-TCDD	800	642.668	80		40-135	NA	0.987

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-06-110409
Lab Code: R0906411-007

Service Request: R0906411
Date Collected: 11/ 4/09 1350
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 72.5

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.293g
Data File Name: P106037
ICAL Date: 09/11/09

Date Analyzed: 11/14/09 0003
Date Extracted: 11/10/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106031
Cal Ver. File Name: P106029

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	2.62		0.104	1.34	0.75	1.001	1
1,2,3,7,8-PeCDD	5.92		0.148	3.35	1.53	1.000	1
1,2,3,4,7,8-HxCDD	10.1		0.245	3.35	1.31	0.998	1
1,2,3,6,7,8-HxCDD	31.5		0.223	3.35	1.34	1.000	1
1,2,3,7,8,9-HxCDD	24.7		0.236	3.35	1.23	1.009	1
1,2,3,4,6,7,8-HpCDD	981	E	0.260	3.35	1.04	1.000	1
OCDD	37700	BE	0.374	6.70	0.90	1.000	1
2,3,7,8-TCDF	21.7	C	0.335	1.34	0.72	1.002	1
1,2,3,7,8-PeCDF	7.90		0.321	3.35	1.70	1.001	1
2,3,4,7,8-PeCDF	8.78		0.317	3.35	1.69	1.025	1
1,2,3,4,7,8-HxCDF	29.4		0.364	3.35	1.27	1.000	1
1,2,3,6,7,8-HxCDF	17.6		0.348	3.35	1.33	1.003	1
1,2,3,7,8,9-HxCDF	ND	U	0.466	3.35			1
2,3,4,6,7,8-HxCDF	18.4		0.398	3.35	1.31	1.016	1
1,2,3,4,6,7,8-HpCDF	261		0.995	3.35	1.05	1.000	1
1,2,3,4,7,8,9-HpCDF	28.0		1.39	3.35	1.11	1.034	1
OCDF	1130		0.231	6.70	0.90	1.004	1
Total Tetra-Dioxins	87.5		0.104	1.34	0.78		1
Total Penta-Dioxins	70.5		0.148	3.35	1.58		1
Total Hexa-Dioxins	368		0.223	3.35	1.27		1
Total Hepta-Dioxins	2910		0.260	3.35	1.04		1
Total Tetra-Furans	77.9		0.335	1.34	0.87		1
Total Penta-Furans	177		0.317	3.35	1.64		1
Total Hexa-Furans	319		0.348	3.35	1.30		1
Total Hepta-Furans	780		0.995	3.35	1.05		1

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-06-110409
Lab Code: R0906411-007

Service Request: R0906411
Date Collected: 11/ 4/09 1350
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 72.5

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.293g
Data File Name: P106037
ICAL Date: 09/11/09

Date Analyzed: 11/14/09 0003
Date Extracted: 11/10/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106031
Cal Ver. File Name: P106029

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1000	707.929	71		40-135	0.79	1.010
13C-1,2,3,7,8-PeCDD	1000	700.393	70		40-135	1.55	1.179
13C-1,2,3,6,7,8-HxCDD	2500	1524.466	61		40-135	1.25	0.992
13C-1,2,3,4,6,7,8-HpCDD	2500	1443.299	58		40-135	1.07	1.068
13C-OCDD	5000	1992.362	40		40-135	0.90	1.148
13C-2,3,7,8-TCDF	1000	686.029	69		40-135	0.76	0.979
13C-1,2,3,7,8-PeCDF	1000	738.597	74		40-135	1.59	1.139
13C-1,2,3,4,7,8-HxCDF	2500	1725.826	69		40-135	0.50	0.971
13C-1,2,3,4,6,7,8-HpCDF	2500	1449.207	58		40-135	0.43	1.045
37Cl-2,3,7,8-TCDD	800	625.203	78		40-135	NA	1.011

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-06-110409
Lab Code: R0906411-007

Service Request: R0906411
Date Collected: 11/ 4/09 1350
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	2.62	0.104	1	1	2.62
1,2,3,7,8-PeCDD	5.92	0.148	1	1	5.92
1,2,3,4,7,8-HxCDD	10.1	0.245	1	0.1	1.01
1,2,3,6,7,8-HxCDD	31.5	0.223	1	0.1	3.15
1,2,3,7,8,9-HxCDD	24.7	0.236	1	0.1	2.47
1,2,3,4,6,7,8-HpCDD	981	0.260	1	0.01	9.81
OCDD	37700	0.374	1	0.0003	11.3
2,3,7,8-TCDF	8.87	0.0796	1	0.1	0.887
1,2,3,7,8-PeCDF	7.90	0.321	1	0.03	0.237
2,3,4,7,8-PeCDF	8.78	0.317	1	0.3	2.63
1,2,3,4,7,8-HxCDF	29.4	0.364	1	0.1	2.94
1,2,3,6,7,8-HxCDF	17.6	0.348	1	0.1	1.76
1,2,3,7,8,9-HxCDF	ND	0.466	1	0.1	
2,3,4,6,7,8-HxCDF	18.4	0.398	1	0.1	1.84
1,2,3,4,6,7,8-HpCDF	261	0.995	1	0.01	2.61
1,2,3,4,7,8,9-HpCDF	28.0	1.39	1	0.01	0.280
OCDF	1130	0.231	1	0.0003	0.339
Total TEQ					49.8

2005 WHO TEFs, ND = 0

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-06-110409
Lab Code: R0906411-007
Run Type: Reanalysis

Service Request: R0906411
Date Collected: 11/ 4/09 1350
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 72.5

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.293g
Data File Name: P204975
ICAL Date: 03/16/09

Date Analyzed: 11/15/09 0351
Date Extracted: 11/10/09
Instrument Name: E-HRMS-04
GC Column: DB-225
Blank File Name: P204967
Cal Ver. File Name: P204965

Analyte Name	Result Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	8.87	0.0796	1.34	0.78	1.001	1

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	1000	645.521	65		40-135	0.76	1.059
37Cl-2,3,7,8-TCDD	800	627.873	78		40-135	NA	0.986

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-07-110409
Lab Code: R0906411-008

Service Request: R0906411
Date Collected: 11/ 4/09 1408
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 78.4

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.331g
Data File Name: P106038
ICAL Date: 09/11/09

Date Analyzed: 11/14/09 0051
Date Extracted: 11/10/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106031
Cal Ver. File Name: P106029

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	4.85		0.113	1.23	0.77	1.001	1
1,2,3,7,8-PeCDD	9.89		0.141	3.09	1.60	1.000	1
1,2,3,4,7,8-HxCDD	14.2		0.207	3.09	1.20	0.998	1
1,2,3,6,7,8-HxCDD	50.3		0.188	3.09	1.29	1.000	1
1,2,3,7,8,9-HxCDD	37.2		0.199	3.09	1.29	1.009	1
1,2,3,4,6,7,8-HpCDD	1560	E	5.71	3.09	1.06	1.000	1
OCDD	19800	BE	0.941	6.17	0.90	1.000	1
2,3,7,8-TCDF	33.3	C	0.634	1.23	0.78	1.001	1
1,2,3,7,8-PeCDF	14.2		0.404	3.09	1.57	1.000	1
2,3,4,7,8-PeCDF	14.7		0.400	3.09	1.62	1.024	1
1,2,3,4,7,8-HxCDF	59.8		0.245	3.09	1.26	1.000	1
1,2,3,6,7,8-HxCDF	32.6		0.234	3.09	1.27	1.003	1
1,2,3,7,8,9-HxCDF	ND	U	0.314	3.09			1
2,3,4,6,7,8-HxCDF	39.1		0.268	3.09	1.33	1.016	1
1,2,3,4,6,7,8-HpCDF	479		0.426	3.09	1.05	1.000	1
1,2,3,4,7,8,9-HpCDF	81.2		0.593	3.09	1.04	1.033	1
OCDF	2700	E	0.311	6.17	0.90	1.004	1
Total Tetra-Dioxins	155		0.113	1.23	0.79		1
Total Penta-Dioxins	127		0.141	3.09	1.52		1
Total Hexa-Dioxins	542		0.188	3.09	1.25		1
Total Hepta-Dioxins	4200		5.71	3.09	1.05		1
Total Tetra-Furans	231		0.634	1.23	0.83		1
Total Penta-Furans	351		0.400	3.09	1.61		1
Total Hexa-Furans	646		0.234	3.09	1.25		1
Total Hepta-Furans	1670		0.426	3.09	1.05		1

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-07-110409
Lab Code: R0906411-008

Service Request: R0906411
Date Collected: 11/ 4/09 1408
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 78.4

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.331g
Data File Name: P106038
ICAL Date: 09/11/09

Date Analyzed: 11/14/09 0051
Date Extracted: 11/10/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106031
Cal Ver. File Name: P106029

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1000	652.580	65		40-135	0.79	1.010
13C-1,2,3,7,8-PeCDD	1000	669.423	67		40-135	1.56	1.178
13C-1,2,3,6,7,8-HxCDD	2500	1445.354	58		40-135	1.25	0.992
13C-1,2,3,4,6,7,8-HpCDD	2500	1375.081	55		40-135	1.09	1.068
13C-OCDD	5000	1951.854	39	Y	40-135	0.88	1.148
13C-2,3,7,8-TCDF	1000	677.548	68		40-135	0.78	0.979
13C-1,2,3,7,8-PeCDF	1000	720.135	72		40-135	1.60	1.139
13C-1,2,3,4,7,8-HxCDF	2500	1641.361	66		40-135	0.52	0.971
13C-1,2,3,4,6,7,8-HpCDF	2500	1375.348	55		40-135	0.43	1.045
37Cl-2,3,7,8-TCDD	800	639.981	80		40-135	NA	1.011

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-07-110409
Lab Code: R0906411-008

Service Request: R0906411
Date Collected: 11/ 4/09 1408
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	4.85	0.113	1	1	4.85
1,2,3,7,8-PeCDD	9.89	0.141	1	1	9.89
1,2,3,4,7,8-HxCDD	14.2	0.207	1	0.1	1.42
1,2,3,6,7,8-HxCDD	50.3	0.188	1	0.1	5.03
1,2,3,7,8,9-HxCDD	37.2	0.199	1	0.1	3.72
1,2,3,4,6,7,8-HpCDD	1560	5.71	1	0.01	15.6
OCDD	19800	0.941	1	0.0003	5.94
2,3,7,8-TCDF	13.1	0.144	1	0.1	1.31
1,2,3,7,8-PeCDF	14.2	0.404	1	0.03	0.426
2,3,4,7,8-PeCDF	14.7	0.400	1	0.3	4.41
1,2,3,4,7,8-HxCDF	59.8	0.245	1	0.1	5.98
1,2,3,6,7,8-HxCDF	32.6	0.234	1	0.1	3.26
1,2,3,7,8,9-HxCDF	ND	0.314	1	0.1	
2,3,4,6,7,8-HxCDF	39.1	0.268	1	0.1	3.91
1,2,3,4,6,7,8-HpCDF	479	0.426	1	0.01	4.79
1,2,3,4,7,8,9-HpCDF	81.2	0.593	1	0.01	0.812
OCDF	2700	0.311	1	0.0003	0.810
Total TEQ					72.2

2005 WHO TEFs, ND = 0

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-07-110409
Lab Code: R0906411-008
Run Type: Reanalysis

Service Request: R0906411
Date Collected: 11/ 4/09 1408
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 78.4

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.331g
Data File Name: P204976
ICAL Date: 03/16/09

Date Analyzed: 11/15/09 0428
Date Extracted: 11/10/09
Instrument Name: E-HRMS-04
GC Column: DB-225
Blank File Name: P204967
Cal Ver. File Name: P204965

Analyte Name	Result Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	13.1	0.144	1.23	0.83	1.001	1

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	1000	679.222	68		40-135	0.76	1.059
37Cl-2,3,7,8-TCDD	800	639.735	80		40-135	NA	0.986

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-08-110409
Lab Code: R0906411-009

Service Request: R0906411
Date Collected: 11/ 4/09 1429
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 82.1

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 11.115g
Data File Name: P106039
ICAL Date: 09/11/09

Date Analyzed: 11/14/09 0139
Date Extracted: 11/10/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106031
Cal Ver. File Name: P106029

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	2.28		0.0730	1.10	0.79	1.001	1
1,2,3,7,8-PeCDD	7.28		0.0707	2.74	1.53	1.000	1
1,2,3,4,7,8-HxCDD	13.9		0.123	2.74	1.20	0.998	1
1,2,3,6,7,8-HxCDD	35.6		0.112	2.74	1.28	1.000	1
1,2,3,7,8,9-HxCDD	36.2		0.118	2.74	1.33	1.009	1
1,2,3,4,6,7,8-HpCDD	1620	E	4.16	2.74	1.06	1.000	1
OCDD	18700	BE	0.538	5.48	0.90	1.000	1
2,3,7,8-TCDF	15.8	C	0.187	1.10	0.80	1.001	1
1,2,3,7,8-PeCDF	6.12		0.231	2.74	1.58	1.000	1
2,3,4,7,8-PeCDF	8.20		0.229	2.74	1.63	1.024	1
1,2,3,4,7,8-HxCDF	26.8		0.208	2.74	1.30	1.000	1
1,2,3,6,7,8-HxCDF	14.5		0.198	2.74	1.30	1.003	1
1,2,3,7,8,9-HxCDF	ND	U	0.266	2.74			1
2,3,4,6,7,8-HxCDF	19.6		0.227	2.74	1.29	1.016	1
1,2,3,4,6,7,8-HpCDF	296		0.381	2.74	1.05	1.000	1
1,2,3,4,7,8,9-HpCDF	28.5		0.530	2.74	1.02	1.034	1
OCDF	1400	E	0.240	5.48	0.90	1.004	1
Total Tetra-Dioxins	41.2		0.0730	1.10	0.83		1
Total Penta-Dioxins	91.9		0.0707	2.74	1.62		1
Total Hexa-Dioxins	901		0.112	2.74	1.25		1
Total Hepta-Dioxins	7800		4.16	2.74	1.05		1
Total Tetra-Furans	80.4		0.187	1.10	0.75		1
Total Penta-Furans	144		0.229	2.74	1.60		1
Total Hexa-Furans	350		0.198	2.74	1.27		1
Total Hepta-Furans	988		0.381	2.74	1.05		1

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Saugnet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-08-110409
Lab Code: R0906411-009

Service Request: R0906411
Date Collected: 11/ 4/09 1429
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 82.1

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 11.115g
Data File Name: P106039
ICAL Date: 09/11/09

Date Analyzed: 11/14/09 0139
Date Extracted: 11/10/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106031
Cal Ver. File Name: P106029

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1000	712.863	71		40-135	0.79	1.010
13C-1,2,3,7,8-PeCDD	1000	733.959	73		40-135	1.59	1.178
13C-1,2,3,6,7,8-HxCDD	2500	1564.475	63		40-135	1.27	0.992
13C-1,2,3,4,6,7,8-HpCDD	2500	1527.789	61		40-135	1.05	1.068
13C-OCDD	5000	2161.523	43		40-135	0.88	1.148
13C-2,3,7,8-TCDF	1000	735.452	74		40-135	0.79	0.979
13C-1,2,3,7,8-PeCDF	1000	772.858	77		40-135	1.58	1.139
13C-1,2,3,4,7,8-HxCDF	2500	1841.570	74		40-135	0.52	0.971
13C-1,2,3,4,6,7,8-HpCDF	2500	1526.542	61		40-135	0.44	1.045
37Cl-2,3,7,8-TCDD	800	676.660	85		40-135	NA	1.011

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-08-110409
Lab Code: R0906411-009

Service Request: R0906411
Date Collected: 11/ 4/09 1429
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	2.28	0.0730	1	1	2.28
1,2,3,7,8-PeCDD	7.28	0.0707	1	1	7.28
1,2,3,4,7,8-HxCDD	13.9	0.123	1	0.1	1.39
1,2,3,6,7,8-HxCDD	35.6	0.112	1	0.1	3.56
1,2,3,7,8,9-HxCDD	36.2	0.118	1	0.1	3.62
1,2,3,4,6,7,8-HpCDD	1620	4.16	1	0.01	16.2
OCDD	18700	0.538	1	0.0003	5.61
2,3,7,8-TCDF	5.93	0.0970	1	0.1	0.593
1,2,3,7,8-PeCDF	6.12	0.231	1	0.03	0.184
2,3,4,7,8-PeCDF	8.20	0.229	1	0.3	2.46
1,2,3,4,7,8-HxCDF	26.8	0.208	1	0.1	2.68
1,2,3,6,7,8-HxCDF	14.5	0.198	1	0.1	1.45
1,2,3,7,8,9-HxCDF	ND	0.266	1	0.1	
2,3,4,6,7,8-HxCDF	19.6	0.227	1	0.1	1.96
1,2,3,4,6,7,8-HpCDF	296	0.381	1	0.01	2.96
1,2,3,4,7,8,9-HpCDF	28.5	0.530	1	0.01	0.285
OCDF	1400	0.240	1	0.0003	0.420
Total TEQ					52.9

2005 WHO TEFs, ND = 0

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-08-110409
Lab Code: R0906411-009
Run Type: Reanalysis

Service Request: R0906411
Date Collected: 11/ 4/09 1429
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 82.1

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 11.115g
Data File Name: P204977
ICAL Date: 03/16/09

Date Analyzed: 11/15/09 0505
Date Extracted: 11/10/09
Instrument Name: E-HRMS-04
GC Column: DB-225
Blank File Name: P204967
Cal Ver. File Name: P204965

Analyte Name	Result Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	5.93	0.0970	1.10	0.86	1.001	1

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	1000	694.112	69		40-135	0.75	1.059
37Cl-2,3,7,8-TCDD	800	691.140	86		40-135	NA	0.986

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-09-110409
Lab Code: R0906411-010

Service Request: R0906411
Date Collected: 11/ 4/09 1540
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 76.7

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.343g
Data File Name: P106040
ICAL Date: 09/11/09

Date Analyzed: 11/14/09 0226
Date Extracted: 11/10/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106031
Cal Ver. File Name: P106029

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	ND	U	0.129	1.26			1
1,2,3,7,8-PeCDD	1.36	J	0.106	3.15	1.75	1.000	1
1,2,3,4,7,8-HxCDD	2.69	J	0.319	3.15	1.13	0.998	1
1,2,3,6,7,8-HxCDD	7.28		0.290	3.15	1.23	1.000	1
1,2,3,7,8,9-HxCDD	5.83		0.307	3.15	1.37	1.009	1
1,2,3,4,6,7,8-HpCDD	236		1.93	3.15	1.09	1.000	1
OCDD	3660	BE	1.34	6.30	0.89	1.000	1
2,3,7,8-TCDF	3.25	C	0.179	1.26	0.86	1.001	1
1,2,3,7,8-PeCDF	1.75	J	0.136	3.15	1.77	1.000	1
2,3,4,7,8-PeCDF	1.94	J	0.134	3.15	1.46	1.025	1
1,2,3,4,7,8-HxCDF	8.33		0.218	3.15	1.35	1.000	1
1,2,3,6,7,8-HxCDF	3.77		0.208	3.15	1.26	1.003	1
1,2,3,7,8,9-HxCDF	ND	U	0.279	3.15			1
2,3,4,6,7,8-HxCDF	4.37		0.238	3.15	1.16	1.017	1
1,2,3,4,6,7,8-HpCDF	52.8		0.320	3.15	1.05	1.000	1
1,2,3,4,7,8,9-HpCDF	4.53		0.445	3.15	1.09	1.034	1
OCDF	205		0.463	6.30	0.91	1.004	1
Total Tetra-Dioxins	6.28		0.129	1.26	0.81		1
Total Penta-Dioxins	10.1		0.106	3.15	1.52		1
Total Hexa-Dioxins	109		0.290	3.15	1.27		1
Total Hepta-Dioxins	878		1.93	3.15	1.07		1
Total Tetra-Furans	13.3		0.179	1.26	0.74		1
Total Penta-Furans	30.8		0.134	3.15	1.67		1
Total Hexa-Furans	64.8		0.208	3.15	1.11		1
Total Hepta-Furans	151		0.320	3.15	1.05		1

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-09-110409
Lab Code: R0906411-010

Service Request: R0906411
Date Collected: 11/ 4/09 1540
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 76.7

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.343g
Data File Name: P106040
ICAL Date: 09/11/09

Date Analyzed: 11/14/09 0226
Date Extracted: 11/10/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106031
Cal Ver. File Name: P106029

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1000	658.528	66		40-135	0.79	1.010
13C-1,2,3,7,8-PeCDD	1000	705.182	71		40-135	1.51	1.179
13C-1,2,3,6,7,8-HxCDD	2500	1722.926	69		40-135	1.25	0.992
13C-1,2,3,4,6,7,8-HpCDD	2500	1432.122	57		40-135	1.06	1.068
13C-OCDD	5000	1676.240	34	Y	40-135	0.89	1.148
13C-2,3,7,8-TCDF	1000	671.386	67		40-135	0.75	0.980
13C-1,2,3,7,8-PeCDF	1000	722.348	72		40-135	1.56	1.139
13C-1,2,3,4,7,8-HxCDF	2500	1951.063	78		40-135	0.53	0.971
13C-1,2,3,4,6,7,8-HpCDF	2500	1469.202	59		40-135	0.43	1.045
37Cl-2,3,7,8-TCDD	800	630.827	79		40-135	NA	1.011

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-09-110409
Lab Code: R0906411-010

Service Request: R0906411
Date Collected: 11/ 4/09 1540
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	ND	0.129	1	1	
1,2,3,7,8-PeCDD	1.36	0.106	1	1	1.36
1,2,3,4,7,8-HxCDD	2.69	0.319	1	0.1	0.269
1,2,3,6,7,8-HxCDD	7.28	0.290	1	0.1	0.728
1,2,3,7,8,9-HxCDD	5.83	0.307	1	0.1	0.583
1,2,3,4,6,7,8-HpCDD	236	1.93	1	0.01	2.36
OCDD	3660	1.34	1	0.0003	1.10
2,3,7,8-TCDF	1.45	0.0951	1	0.1	0.145
1,2,3,7,8-PeCDF	1.75	0.136	1	0.03	0.0525
2,3,4,7,8-PeCDF	1.94	0.134	1	0.3	0.582
1,2,3,4,7,8-HxCDF	8.33	0.218	1	0.1	0.833
1,2,3,6,7,8-HxCDF	3.77	0.208	1	0.1	0.377
1,2,3,7,8,9-HxCDF	ND	0.279	1	0.1	
2,3,4,6,7,8-HxCDF	4.37	0.238	1	0.1	0.437
1,2,3,4,6,7,8-HpCDF	52.8	0.320	1	0.01	0.528
1,2,3,4,7,8,9-HpCDF	4.53	0.445	1	0.01	0.0453
OCDF	205	0.463	1	0.0003	0.0615
Total TEQ					9.46

2005 WHO TEFs, ND = 0

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-09-110409
Lab Code: R0906411-010
Run Type: Reanalysis

Service Request: R0906411
Date Collected: 11/ 4/09 1540
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 76.7

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.343g
Data File Name: P204978
ICAL Date: 03/16/09

Date Analyzed: 11/15/09 0541
Date Extracted: 11/10/09
Instrument Name: E-HRMS-04
GC Column: DB-225
Blank File Name: P204967
Cal Ver. File Name: P204965

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	1.45		0.0951	1.26	0.88	1.000	1

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	1000	694.770	69		40-135	0.75	1.059
37Cl-2,3,7,8-TCDD	800	651.622	81		40-135	NA	0.986

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-10-110409
Lab Code: R0906411-011

Service Request: R0906411
Date Collected: 11/ 4/09 1620
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 75.2

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.568g
Data File Name: P106041
ICAL Date: 09/11/09

Date Analyzed: 11/14/09 0314
Date Extracted: 11/10/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106031
Cal Ver. File Name: P106029

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	9.12		0.0842	1.26	0.82	1.001	1
1,2,3,7,8-PeCDD	8.23		0.135	3.15	1.54	1.000	1
1,2,3,4,7,8-HxCDD	12.6		0.199	3.15	1.29	0.998	1
1,2,3,6,7,8-HxCDD	40.4		0.181	3.15	1.23	1.000	1
1,2,3,7,8,9-HxCDD	28.4		0.192	3.15	1.24	1.008	1
1,2,3,4,6,7,8-HpCDD	1190	E	1.94	3.15	1.05	1.000	1
OCDD	17200	BE	0.710	6.29	0.90	1.000	1
2,3,7,8-TCDF	31.1	C	0.274	1.26	0.77	1.001	1
1,2,3,7,8-PeCDF	9.37		0.185	3.15	1.58	1.001	1
2,3,4,7,8-PeCDF	13.3		0.183	3.15	1.58	1.025	1
1,2,3,4,7,8-HxCDF	35.8		0.241	3.15	1.22	1.000	1
1,2,3,6,7,8-HxCDF	18.4		0.231	3.15	1.29	1.003	1
1,2,3,7,8,9-HxCDF	ND	U	0.309	3.15			1
2,3,4,6,7,8-HxCDF	15.6		0.264	3.15	1.20	1.017	1
1,2,3,4,6,7,8-HpCDF	306		1.22	3.15	1.04	1.000	1
1,2,3,4,7,8,9-HpCDF	30.3		1.70	3.15	1.07	1.034	1
OCDF	1410	E	0.370	6.29	0.91	1.004	1
Total Tetra-Dioxins	148		0.0842	1.26	0.78		1
Total Penta-Dioxins	108		0.135	3.15	1.50		1
Total Hexa-Dioxins	459		0.181	3.15	1.27		1
Total Hepta-Dioxins	3260		1.94	3.15	1.05		1
Total Tetra-Furans	184		0.274	1.26	0.75		1
Total Penta-Furans	217		0.183	3.15	1.61		1
Total Hexa-Furans	395		0.231	3.15	1.28		1
Total Hepta-Furans	995		1.22	3.15	1.04		1

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-10-110409
Lab Code: R0906411-011

Service Request: R0906411
Date Collected: 11/ 4/09 1620
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 75.2

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.568g
Data File Name: P106041
ICAL Date: 09/11/09

Date Analyzed: 11/14/09 0314
Date Extracted: 11/10/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106031
Cal Ver. File Name: P106029

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1000	685.120	69		40-135	0.77	1.009
13C-1,2,3,7,8-PeCDD	1000	733.631	73		40-135	1.58	1.178
13C-1,2,3,6,7,8-HxCDD	2500	1468.450	59		40-135	1.23	0.992
13C-1,2,3,4,6,7,8-HpCDD	2500	1377.375	55		40-135	1.05	1.068
13C-OCDD	5000	1727.234	35	Y	40-135	0.89	1.149
13C-2,3,7,8-TCDF	1000	721.351	72		40-135	0.76	0.979
13C-1,2,3,7,8-PeCDF	1000	785.581	79		40-135	1.57	1.138
13C-1,2,3,4,7,8-HxCDF	2500	1716.705	69		40-135	0.52	0.971
13C-1,2,3,4,6,7,8-HpCDF	2500	1384.614	55		40-135	0.43	1.045
37Cl-2,3,7,8-TCDD	800	679.078	85		40-135	NA	1.011

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-10-110409
Lab Code: R0906411-011

Service Request: R0906411
Date Collected: 11/ 4/09 1620
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	9.12	0.0842	1	1	9.12
1,2,3,7,8-PeCDD	8.23	0.135	1	1	8.23
1,2,3,4,7,8-HxCDD	12.6	0.199	1	0.1	1.26
1,2,3,6,7,8-HxCDD	40.4	0.181	1	0.1	4.04
1,2,3,7,8,9-HxCDD	28.4	0.192	1	0.1	2.84
1,2,3,4,6,7,8-HpCDD	1190	1.94	1	0.01	11.9
OCDD	17200	0.710	1	0.0003	5.16
2,3,7,8-TCDF	10.5	0.124	1	0.1	1.05
1,2,3,7,8-PeCDF	9.37	0.185	1	0.03	0.281
2,3,4,7,8-PeCDF	13.3	0.183	1	0.3	3.99
1,2,3,4,7,8-HxCDF	35.8	0.241	1	0.1	3.58
1,2,3,6,7,8-HxCDF	18.4	0.231	1	0.1	1.84
1,2,3,7,8,9-HxCDF	ND	0.309	1	0.1	
2,3,4,6,7,8-HxCDF	15.6	0.264	1	0.1	1.56
1,2,3,4,6,7,8-HpCDF	306	1.22	1	0.01	3.06
1,2,3,4,7,8,9-HpCDF	30.3	1.70	1	0.01	0.303
OCDF	1410	0.370	1	0.0003	0.423
Total TEQ					58.6

2005 WHO TEFs, ND = 0

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-10-110409
Lab Code: R0906411-011
Run Type: Reanalysis

Service Request: R0906411
Date Collected: 11/ 4/09 1620
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 75.2

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.568g
Data File Name: P204979
ICAL Date: 03/16/09

Date Analyzed: 11/15/09 0618
Date Extracted: 11/10/09
Instrument Name: E-HRMS-04
GC Column: DB-225
Blank File Name: P204967
Cal Ver. File Name: P204965

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	10.5		0.124	1.26	0.78	1.001	1

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	1000	712.877	71		40-135	0.76	1.059
37Cl-2,3,7,8-TCDD	800	673.379	84		40-135	NA	0.986

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-11-110409
Lab Code: R0906411-012

Service Request: R0906411
Date Collected: 11/ 4/09 1650
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 78.5

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.368g
Data File Name: P106047
ICAL Date: 09/11/09

Date Analyzed: 11/14/09 0922
Date Extracted: 11/10/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106031
Cal Ver. File Name: P106043

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	2.77		0.138	1.23	0.66	1.000	1
1,2,3,7,8-PeCDD	8.26		0.165	3.07	1.71	1.000	1
1,2,3,4,7,8-HxCDD	16.5		0.265	3.07	1.30	0.998	1
1,2,3,6,7,8-HxCDD	37.2		0.187	3.07	1.30	1.000	1
1,2,3,7,8,9-HxCDD	32.2		0.234	3.07	1.24	1.009	1
1,2,3,4,6,7,8-HpCDD	1140	E	1.33	3.07	1.04	1.000	1
OCDD	10700	BE	0.261	6.14	0.90	1.000	1
2,3,7,8-TCDF	17.9	C	0.386	1.23	0.79	1.001	1
1,2,3,7,8-PeCDF	6.11		0.302	3.07	1.41	1.000	1
2,3,4,7,8-PeCDF	6.26		0.294	3.07	1.49	1.024	1
1,2,3,4,7,8-HxCDF	31.7		0.564	3.07	1.33	1.000	1
1,2,3,6,7,8-HxCDF	12.7		0.435	3.07	1.18	1.003	1
1,2,3,7,8,9-HxCDF	ND	U	0.764	3.07			1
2,3,4,6,7,8-HxCDF	18.2		0.555	3.07	1.25	1.017	1
1,2,3,4,6,7,8-HpCDF	244		0.597	3.07	1.04	1.000	1
1,2,3,4,7,8,9-HpCDF	28.1		0.976	3.07	1.11	1.034	1
OCDF	925		0.137	6.14	0.90	1.004	1
Total Tetra-Dioxins	101		0.138	1.23	0.80		1
Total Penta-Dioxins	147		0.165	3.07	1.49		1
Total Hexa-Dioxins	345		0.187	3.07	1.25		1
Total Hepta-Dioxins	2290		1.33	3.07	1.05		1
Total Tetra-Furans	136		0.386	1.23	0.77		1
Total Penta-Furans	147		0.294	3.07	1.63		1
Total Hexa-Furans	304		0.435	3.07	1.25		1
Total Hepta-Furans	865		0.597	3.07	1.04		1

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-11-110409
Lab Code: R0906411-012

Service Request: R0906411
Date Collected: 11/ 4/09 1650
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 78.5

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.368g
Data File Name: P106047
ICAL Date: 09/11/09

Date Analyzed: 11/14/09 0922
Date Extracted: 11/10/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106031
Cal Ver. File Name: P106043

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1000	726.174	73		40-135	0.80	1.010
13C-1,2,3,7,8-PeCDD	1000	640.323	64		40-135	1.56	1.178
13C-1,2,3,6,7,8-HxCDD	2500	1844.279	74		40-135	1.28	0.991
13C-1,2,3,4,6,7,8-HpCDD	2500	1739.246	70		40-135	1.07	1.068
13C-OCDD	5000	3050.152	61		40-135	0.88	1.148
13C-2,3,7,8-TCDF	1000	660.366	66		40-135	0.78	0.979
13C-1,2,3,7,8-PeCDF	1000	755.217	76		40-135	1.58	1.139
13C-1,2,3,4,7,8-HxCDF	2500	1798.771	72		40-135	0.51	0.970
13C-1,2,3,4,6,7,8-HpCDF	2500	1563.207	63		40-135	0.44	1.044
37Cl-2,3,7,8-TCDD	800	683.247	85		40-135	NA	1.010

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-11-110409
Lab Code: R0906411-012

Service Request: R0906411
Date Collected: 11/ 4/09 1650
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	2.77	0.138	1	1	2.77
1,2,3,7,8-PeCDD	8.26	0.165	1	1	8.26
1,2,3,4,7,8-HxCDD	16.5	0.265	1	0.1	1.65
1,2,3,6,7,8-HxCDD	37.2	0.187	1	0.1	3.72
1,2,3,7,8,9-HxCDD	32.2	0.234	1	0.1	3.22
1,2,3,4,6,7,8-HpCDD	1140	1.33	1	0.01	11.4
OCDD	10700	0.261	1	0.0003	3.21
2,3,7,8-TCDF	6.21	0.141	1	0.1	0.621
1,2,3,7,8-PeCDF	6.11	0.302	1	0.03	0.183
2,3,4,7,8-PeCDF	6.26	0.294	1	0.3	1.88
1,2,3,4,7,8-HxCDF	31.7	0.564	1	0.1	3.17
1,2,3,6,7,8-HxCDF	12.7	0.435	1	0.1	1.27
1,2,3,7,8,9-HxCDF	ND	0.764	1	0.1	
2,3,4,6,7,8-HxCDF	18.2	0.555	1	0.1	1.82
1,2,3,4,6,7,8-HpCDF	244	0.597	1	0.01	2.44
1,2,3,4,7,8,9-HpCDF	28.1	0.976	1	0.01	0.281
OCDF	925	0.137	1	0.0003	0.278
Total TEQ					46.2

2005 WHO TEFs, ND = 0

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-11-110409
Lab Code: R0906411-012
Run Type: Reanalysis

Service Request: R0906411
Date Collected: 11/ 4/09 1650
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 78.5

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.368g
Data File Name: P204980
ICAL Date: 03/16/09

Date Analyzed: 11/15/09 0655
Date Extracted: 11/10/09
Instrument Name: E-HRMS-04
GC Column: DB-225
Blank File Name: P204967
Cal Ver. File Name: P204965

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	6.21		0.141	1.23	0.76	1.001	1

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	1000	600.170	60		40-135	0.75	1.059
37Cl-2,3,7,8-TCDD	800	651.734	81		40-135	NA	0.986

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-12-110409
Lab Code: R0906411-013

Service Request: R0906411
Date Collected: 11/ 5/09 1715
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 72.4

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 11.955g
Data File Name: P106048
ICAL Date: 09/11/09

Date Analyzed: 11/14/09 1010
Date Extracted: 11/10/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106031
Cal Ver. File Name: P106043

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	7.00		0.101	1.16	0.75	1.001	1
1,2,3,7,8-PeCDD	10.6		0.152	2.89	1.56	1.000	1
1,2,3,4,7,8-HxCDD	24.3		0.132	2.89	1.23	0.998	1
1,2,3,6,7,8-HxCDD	57.9		0.0928	2.89	1.27	1.000	1
1,2,3,7,8,9-HxCDD	46.0		0.117	2.89	1.17	1.009	1
1,2,3,4,6,7,8-HpCDD	2370	E	0.216	2.89	1.05	1.000	1
OCDD	28700	BE	0.443	5.78	0.90	1.000	1
2,3,7,8-TCDF	29.2	C	0.155	1.16	0.78	1.001	1
1,2,3,7,8-PeCDF	6.91		0.508	2.89	1.73	1.001	1
2,3,4,7,8-PeCDF	8.83		0.496	2.89	1.71	1.025	1
1,2,3,4,7,8-HxCDF	40.4		0.687	2.89	1.23	1.000	1
1,2,3,6,7,8-HxCDF	13.5	K	0.530	2.89	1.47	1.003	1
1,2,3,7,8,9-HxCDF	ND	U	0.931	2.89			1
2,3,4,6,7,8-HxCDF	25.0		0.676	2.89	1.25	1.017	1
1,2,3,4,6,7,8-HpCDF	516		2.42	2.89	1.05	1.000	1
1,2,3,4,7,8,9-HpCDF	38.0		3.96	2.89	1.01	1.034	1
OCDF	2210	E	0.171	5.78	0.90	1.004	1
Total Tetra-Dioxins	187		0.101	1.16	0.78		1
Total Penta-Dioxins	110		0.152	2.89	1.45		1
Total Hexa-Dioxins	458		0.0928	2.89	1.26		1
Total Hepta-Dioxins	5030		0.216	2.89	1.04		1
Total Tetra-Furans	179		0.155	1.16	0.84		1
Total Penta-Furans	177		0.496	2.89	1.61		1
Total Hexa-Furans	488		0.530	2.89	1.34		1
Total Hepta-Furans	1900		2.42	2.89	1.05		1

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-12-110409
Lab Code: R0906411-013

Service Request: R0906411
Date Collected: 11/ 5/09 1715
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 72.4

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 11.955g
Data File Name: P106048
ICAL Date: 09/11/09

Date Analyzed: 11/14/09 1010
Date Extracted: 11/10/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106031
Cal Ver. File Name: P106043

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1000	794.473	79		40-135	0.78	1.009
13C-1,2,3,7,8-PeCDD	1000	775.789	78		40-135	1.53	1.178
13C-1,2,3,6,7,8-HxCDD	2500	1884.717	75		40-135	1.24	0.992
13C-1,2,3,4,6,7,8-HpCDD	2500	1728.732	69		40-135	1.07	1.068
13C-OCDD	5000	2812.176	56		40-135	0.89	1.148
13C-2,3,7,8-TCDF	1000	725.581	73		40-135	0.78	0.979
13C-1,2,3,7,8-PeCDF	1000	885.507	89		40-135	1.57	1.138
13C-1,2,3,4,7,8-HxCDF	2500	1910.730	76		40-135	0.52	0.971
13C-1,2,3,4,6,7,8-HpCDF	2500	1529.459	61		40-135	0.43	1.045
37Cl-2,3,7,8-TCDD	800	736.716	92		40-135	NA	1.011

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-12-110409
Lab Code: R0906411-013

Service Request: R0906411
Date Collected: 11/ 5/09 1715
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	7.00	0.101	1	1	7.00
1,2,3,7,8-PeCDD	10.6	0.152	1	1	10.6
1,2,3,4,7,8-HxCDD	24.3	0.132	1	0.1	2.43
1,2,3,6,7,8-HxCDD	57.9	0.0928	1	0.1	5.79
1,2,3,7,8,9-HxCDD	46.0	0.117	1	0.1	4.60
1,2,3,4,6,7,8-HpCDD	2370	0.216	1	0.01	23.7
OCDD	28700	0.443	1	0.0003	8.61
2,3,7,8-TCDF	8.92	0.143	1	0.1	0.892
1,2,3,7,8-PeCDF	6.91	0.508	1	0.03	0.207
2,3,4,7,8-PeCDF	8.83	0.496	1	0.3	2.65
1,2,3,4,7,8-HxCDF	40.4	0.687	1	0.1	4.04
1,2,3,6,7,8-HxCDF	13.5	0.530	1	0.1	1.35
1,2,3,7,8,9-HxCDF	ND	0.931	1	0.1	
2,3,4,6,7,8-HxCDF	25.0	0.676	1	0.1	2.50
1,2,3,4,6,7,8-HpCDF	516	2.42	1	0.01	5.16
1,2,3,4,7,8,9-HpCDF	38.0	3.96	1	0.01	0.380
OCDF	2210	0.171	1	0.0003	0.663
Total TEQ					80.6

2005 WHO TEFs, ND = 0

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-12-110409
Lab Code: R0906411-013
Run Type: Reanalysis

Service Request: R0906411
Date Collected: 11/ 5/09 1715
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 72.4

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 11.955g
Data File Name: P204984
ICAL Date: 03/16/09

Date Analyzed: 11/15/09 0951
Date Extracted: 11/10/09
Instrument Name: E-HRMS-04
GC Column: DB-225
Blank File Name: P204983
Cal Ver. File Name: P204981

Analyte Name	Result Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	8.92	0.143	1.16	0.81	1.000	1

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	1000	710.743	71		40-135	0.76	1.059
37Cl-2,3,7,8-TCDD	800	733.698	92		40-135	NA	0.986

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-13-110509
Lab Code: R0906411-014

Service Request: R0906411
Date Collected: 11/ 5/09 0841
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 69.8

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 11.463g
Data File Name: P106049
ICAL Date: 09/11/09

Date Analyzed: 11/14/09 1057
Date Extracted: 11/10/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106031
Cal Ver. File Name: P106043

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	2.28		0.120	1.25	0.79	1.001	1
1,2,3,7,8-PeCDD	7.82		0.106	3.12	1.42	1.000	1
1,2,3,4,7,8-HxCDD	12.7		0.170	3.12	1.25	0.998	1
1,2,3,6,7,8-HxCDD	22.8		0.120	3.12	1.26	1.000	1
1,2,3,7,8,9-HxCDD	21.4		0.151	3.12	1.18	1.008	1
1,2,3,4,6,7,8-HpCDD	722	E	0.782	3.12	1.05	1.000	1
OCDD	6440	BE	0.819	6.25	0.90	1.000	1
2,3,7,8-TCDF	28.4	C	0.252	1.25	0.82	1.001	1
1,2,3,7,8-PeCDF	12.3		0.411	3.12	1.66	1.001	1
2,3,4,7,8-PeCDF	10.9		0.401	3.12	1.58	1.025	1
1,2,3,4,7,8-HxCDF	40.7		0.175	3.12	1.28	1.000	1
1,2,3,6,7,8-HxCDF	19.6		0.135	3.12	1.25	1.003	1
1,2,3,7,8,9-HxCDF	ND	U	0.237	3.12			1
2,3,4,6,7,8-HxCDF	14.6		0.172	3.12	1.15	1.017	1
1,2,3,4,6,7,8-HpCDF	240		0.563	3.12	1.04	1.000	1
1,2,3,4,7,8,9-HpCDF	38.5		0.922	3.12	1.00	1.034	1
OCDF	828		0.277	6.25	0.90	1.004	1
Total Tetra-Dioxins	132		0.120	1.25	0.77		1
Total Penta-Dioxins	118		0.106	3.12	1.61		1
Total Hexa-Dioxins	240		0.120	3.12	1.26		1
Total Hepta-Dioxins	1360		0.782	3.12	1.04		1
Total Tetra-Furans	203		0.252	1.25	0.80		1
Total Penta-Furans	207		0.401	3.12	1.62		1
Total Hexa-Furans	341		0.135	3.12	1.24		1
Total Hepta-Furans	708		0.563	3.12	1.04		1

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-13-110509
Lab Code: R0906411-014

Service Request: R0906411
Date Collected: 11/ 5/09 0841
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 69.8

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 11.463g
Data File Name: P106049
ICAL Date: 09/11/09

Date Analyzed: 11/14/09 1057
Date Extracted: 11/10/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106031
Cal Ver. File Name: P106043

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1000	744.328	74		40-135	0.79	1.009
13C-1,2,3,7,8-PeCDD	1000	749.152	75		40-135	1.55	1.178
13C-1,2,3,6,7,8-HxCDD	2500	1623.952	65		40-135	1.24	0.992
13C-1,2,3,4,6,7,8-HpCDD	2500	1484.742	59		40-135	1.06	1.068
13C-OCDD	5000	2455.776	49		40-135	0.89	1.149
13C-2,3,7,8-TCDF	1000	719.149	72		40-135	0.78	0.978
13C-1,2,3,7,8-PeCDF	1000	825.440	83		40-135	1.59	1.138
13C-1,2,3,4,7,8-HxCDF	2500	1611.507	64		40-135	0.51	0.971
13C-1,2,3,4,6,7,8-HpCDF	2500	1269.154	51		40-135	0.43	1.045
37Cl-2,3,7,8-TCDD	800	721.271	90		40-135	NA	1.010

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-13-110509
Lab Code: R0906411-014

Service Request: R0906411
Date Collected: 11/ 5/09 0841
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	2.28	0.120	1	1	2.28
1,2,3,7,8-PeCDD	7.82	0.106	1	1	7.82
1,2,3,4,7,8-HxCDD	12.7	0.170	1	0.1	1.27
1,2,3,6,7,8-HxCDD	22.8	0.120	1	0.1	2.28
1,2,3,7,8,9-HxCDD	21.4	0.151	1	0.1	2.14
1,2,3,4,6,7,8-HpCDD	722	0.782	1	0.01	7.22
OCDD	6440	0.819	1	0.0003	1.93
2,3,7,8-TCDF	10.7	0.148	1	0.1	1.07
1,2,3,7,8-PeCDF	12.3	0.411	1	0.03	0.369
2,3,4,7,8-PeCDF	10.9	0.401	1	0.3	3.27
1,2,3,4,7,8-HxCDF	40.7	0.175	1	0.1	4.07
1,2,3,6,7,8-HxCDF	19.6	0.135	1	0.1	1.96
1,2,3,7,8,9-HxCDF	ND	0.237	1	0.1	
2,3,4,6,7,8-HxCDF	14.6	0.172	1	0.1	1.46
1,2,3,4,6,7,8-HpCDF	240	0.563	1	0.01	2.40
1,2,3,4,7,8,9-HpCDF	38.5	0.922	1	0.01	0.385
OCDF	828	0.277	1	0.0003	0.248
Total TEQ					40.2

2005 WHO TEFs, ND = 0

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-13-110509
Lab Code: R0906411-014
Run Type: Reanalysis

Service Request: R0906411
Date Collected: 11/ 5/09 0841
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 69.8

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 11.463g
Data File Name: P204985
ICAL Date: 03/16/09

Date Analyzed: 11/15/09 1027
Date Extracted: 11/10/09
Instrument Name: E-HRMS-04
GC Column: DB-225
Blank File Name: P204983
Cal Ver. File Name: P204981

Analyte Name	Result Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	10.7	0.148	1.25	0.77	1.001	1

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	1000	730.408	73		40-135	0.76	1.059
37Cl-2,3,7,8-TCDD	800	700.023	88		40-135	NA	0.986

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-14-110509
Lab Code: R0906411-015

Service Request: R0906411
Date Collected: 11/ 5/09 0917
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 77.2

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.135g
Data File Name: P106050
ICAL Date: 09/11/09

Date Analyzed: 11/14/09 1145
Date Extracted: 11/10/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106031
Cal Ver. File Name: P106043

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	1.98		0.116	1.28	0.72	1.001	1
1,2,3,7,8-PeCDD	3.44		0.141	3.20	1.77	1.000	1
1,2,3,4,7,8-HxCDD	5.83		0.233	3.20	1.22	0.998	1
1,2,3,6,7,8-HxCDD	19.9		0.164	3.20	1.26	1.000	1
1,2,3,7,8,9-HxCDD	11.9		0.206	3.20	1.24	1.009	1
1,2,3,4,6,7,8-HpCDD	654	E	1.12	3.20	1.02	1.000	1
OCDD	12000	BE	0.322	6.39	0.90	1.000	1
2,3,7,8-TCDF	16.0	C	0.317	1.28	0.74	1.001	1
1,2,3,7,8-PeCDF	3.79		0.467	3.20	1.70	1.001	1
2,3,4,7,8-PeCDF	4.65		0.455	3.20	1.55	1.025	1
1,2,3,4,7,8-HxCDF	19.2		0.388	3.20	1.26	1.000	1
1,2,3,6,7,8-HxCDF	6.36		0.299	3.20	1.36	1.003	1
1,2,3,7,8,9-HxCDF	ND	U	0.525	3.20			1
2,3,4,6,7,8-HxCDF	11.6		0.381	3.20	1.28	1.017	1
1,2,3,4,6,7,8-HpCDF	157		0.893	3.20	1.09	1.000	1
1,2,3,4,7,8,9-HpCDF	15.1		1.47	3.20	1.09	1.034	1
OCDF	404		0.140	6.39	0.90	1.004	1
Total Tetra-Dioxins	25.0		0.116	1.28	0.81		1
Total Penta-Dioxins	42.5		0.141	3.20	1.46		1
Total Hexa-Dioxins	172		0.164	3.20	1.25		1
Total Hepta-Dioxins	1350		1.12	3.20	1.06		1
Total Tetra-Furans	86.7		0.317	1.28	0.87		1
Total Penta-Furans	123		0.455	3.20	1.57		1
Total Hexa-Furans	226		0.299	3.20	1.28		1
Total Hepta-Furans	578		0.893	3.20	1.09		1

Comments: _____

Analytical Report

Client: Weston Solutions, Incorporated
Project: Saugnet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-14-110509
Lab Code: R0906411-015

Service Request: R0906411
Date Collected: 11/ 5/09 0917
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 77.2

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.135g
Data File Name: P106050
ICAL Date: 09/11/09

Date Analyzed: 11/14/09 1145
Date Extracted: 11/10/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106031
Cal Ver. File Name: P106043

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1000	788.498	79		40-135	0.77	1.009
13C-1,2,3,7,8-PeCDD	1000	746.257	75		40-135	1.53	1.178
13C-1,2,3,6,7,8-HxCDD	2500	1918.164	77		40-135	1.26	0.992
13C-1,2,3,4,6,7,8-HpCDD	2500	1760.357	70		40-135	1.09	1.068
13C-OCDD	5000	3069.418	61		40-135	0.88	1.148
13C-2,3,7,8-TCDF	1000	718.077	72		40-135	0.77	0.979
13C-1,2,3,7,8-PeCDF	1000	815.368	82		40-135	1.56	1.138
13C-1,2,3,4,7,8-HxCDF	2500	2042.833	82		40-135	0.51	0.970
13C-1,2,3,4,6,7,8-HpCDF	2500	1517.850	61		40-135	0.43	1.044
37Cl-2,3,7,8-TCDD	800	740.266	93		40-135	NA	1.010

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-14-110509
Lab Code: R0906411-015

Service Request: R0906411
Date Collected: 11/ 5/09 0917
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	1.98	0.116	1	1	1.98
1,2,3,7,8-PeCDD	3.44	0.141	1	1	3.44
1,2,3,4,7,8-HxCDD	5.83	0.233	1	0.1	0.583
1,2,3,6,7,8-HxCDD	19.9	0.164	1	0.1	1.99
1,2,3,7,8,9-HxCDD	11.9	0.206	1	0.1	1.19
1,2,3,4,6,7,8-HpCDD	654	1.12	1	0.01	6.54
OCDD	12000	0.322	1	0.0003	3.60
2,3,7,8-TCDF	5.55	0.0739	1	0.1	0.555
1,2,3,7,8-PeCDF	3.79	0.467	1	0.03	0.114
2,3,4,7,8-PeCDF	4.65	0.455	1	0.3	1.40
1,2,3,4,7,8-HxCDF	19.2	2.66	1	0.1	1.92
1,2,3,6,7,8-HxCDF	6.36	2.05	1	0.1	0.636
1,2,3,7,8,9-HxCDF	ND	3.60	1	0.1	
2,3,4,6,7,8-HxCDF	11.6	2.61	1	0.1	1.16
1,2,3,4,6,7,8-HpCDF	157	0.893	1	0.01	1.57
1,2,3,4,7,8,9-HpCDF	15.1	1.47	1	0.01	0.151
OCDF	404	0.140	1	0.0003	0.121
Total TEQ					27.0

2005 WHO TEFs, ND = 0

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-14-110509
Lab Code: R0906411-015
Run Type: Reanalysis

Service Request: R0906411
Date Collected: 11/ 5/09 0917
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 77.2

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.135g
Data File Name: P204986
ICAL Date: 03/16/09

Date Analyzed: 11/15/09 1104
Date Extracted: 11/10/09
Instrument Name: E-HRMS-04
GC Column: DB-225
Blank File Name: P204983
Cal Ver. File Name: P204981

Analyte Name	Result Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	5.55	0.0739	1.28	0.75	1.001	1

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	1000	758.323	76		40-135	0.75	1.059
37Cl-2,3,7,8-TCDD	800	715.347	89		40-135	NA	0.985

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-15-110509
Lab Code: R0906411-016

Service Request: R0906411
Date Collected: 11/ 5/09 0958
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 68.3

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.016g
Data File Name: P106051
ICAL Date: 09/11/09

Date Analyzed: 11/14/09 1233
Date Extracted: 11/10/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106031
Cal Ver. File Name: P106043

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	13.9		0.106	1.46	0.79	1.001	1
1,2,3,7,8-PeCDD	27.6		0.167	3.65	1.65	1.000	1
1,2,3,4,7,8-HxCDD	46.8		0.640	3.65	1.27	0.998	1
1,2,3,6,7,8-HxCDD	104		0.452	3.65	1.29	1.000	1
1,2,3,7,8,9-HxCDD	94.0		0.566	3.65	1.25	1.009	1
1,2,3,4,6,7,8-HpCDD	3240	E	2.61	3.65	1.04	1.000	1
OCDD	37000	BE	0.708	7.31	0.90	1.000	1
2,3,7,8-TCDF	158	C	0.419	1.46	0.81	1.001	1
1,2,3,7,8-PeCDF	44.4		1.05	3.65	1.64	1.001	1
2,3,4,7,8-PeCDF	53.9		1.02	3.65	1.58	1.025	1
1,2,3,4,7,8-HxCDF	210		0.685	3.65	1.27	1.000	1
1,2,3,6,7,8-HxCDF	81.6		0.528	3.65	1.26	1.003	1
1,2,3,7,8,9-HxCDF	ND	U	0.928	3.65			1
2,3,4,6,7,8-HxCDF	66.0		0.674	3.65	1.39	1.017	1
1,2,3,4,6,7,8-HpCDF	1200	E	2.45	3.65	1.03	1.000	1
1,2,3,4,7,8,9-HpCDF	140		4.01	3.65	1.06	1.033	1
OCDF	3520	E	0.326	7.31	0.92	1.004	1
Total Tetra-Dioxins	358		0.106	1.46	0.77		1
Total Penta-Dioxins	352		0.167	3.65	1.56		1
Total Hexa-Dioxins	964		0.452	3.65	1.28		1
Total Hepta-Dioxins	6520		2.61	3.65	1.03		1
Total Tetra-Furans	995		0.419	1.46	0.79		1
Total Penta-Furans	959		1.02	3.65	1.58		1
Total Hexa-Furans	1280		0.528	3.65	1.26		1
Total Hepta-Furans	3840		2.45	3.65	1.03		1

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-15-110509
Lab Code: R0906411-016

Service Request: R0906411
Date Collected: 11/ 5/09 0958
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 68.3

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.016g
Data File Name: P106051
ICAL Date: 09/11/09

Date Analyzed: 11/14/09 1233
Date Extracted: 11/10/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106031
Cal Ver. File Name: P106043

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1000	769.500	77		40-135	0.77	1.010
13C-1,2,3,7,8-PeCDD	1000	771.969	77		40-135	1.55	1.178
13C-1,2,3,6,7,8-HxCDD	2500	1702.299	68		40-135	1.26	0.992
13C-1,2,3,4,6,7,8-HpCDD	2500	1660.202	66		40-135	1.04	1.068
13C-OCDD	5000	2581.106	52		40-135	0.86	1.149
13C-2,3,7,8-TCDF	1000	722.449	72		40-135	0.77	0.978
13C-1,2,3,7,8-PeCDF	1000	859.327	86		40-135	1.56	1.138
13C-1,2,3,4,7,8-HxCDF	2500	1779.506	71		40-135	0.51	0.971
13C-1,2,3,4,6,7,8-HpCDF	2500	1419.638	57		40-135	0.44	1.045
37Cl-2,3,7,8-TCDD	800	679.842	85		40-135	NA	1.011

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-15-110509
Lab Code: R0906411-016

Service Request: R0906411
Date Collected: 11/ 5/09 0958
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	13.9	0.106	1	1	13.9
1,2,3,7,8-PeCDD	27.6	0.167	1	1	27.6
1,2,3,4,7,8-HxCDD	46.8	0.640	1	0.1	4.68
1,2,3,6,7,8-HxCDD	104	0.452	1	0.1	10.4
1,2,3,7,8,9-HxCDD	94.0	0.566	1	0.1	9.40
1,2,3,4,6,7,8-HpCDD	3240	2.61	1	0.01	32.4
OCDD	37000	0.708	1	0.0003	11.1
2,3,7,8-TCDF	56.3	0.299	1	0.1	5.63
1,2,3,7,8-PeCDF	44.4	1.05	1	0.03	1.33
2,3,4,7,8-PeCDF	53.9	1.02	1	0.3	16.2
1,2,3,4,7,8-HxCDF	210	8.50	1	0.1	21.0
1,2,3,6,7,8-HxCDF	81.6	6.56	1	0.1	8.16
1,2,3,7,8,9-HxCDF	ND	11.6	1	0.1	
2,3,4,6,7,8-HxCDF	66.0	8.36	1	0.1	6.60
1,2,3,4,6,7,8-HpCDF	1200	2.45	1	0.01	12.0
1,2,3,4,7,8,9-HpCDF	140	4.01	1	0.01	1.40
OCDF	3520	0.326	1	0.0003	1.06
Total TEQ					183

2005 WHO TEFs, ND = 0

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-15-110509
Lab Code: R0906411-016
Run Type: Reanalysis

Service Request: R0906411
Date Collected: 11/ 5/09 0958
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 68.3

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.016g
Data File Name: P204987
ICAL Date: 03/16/09

Date Analyzed: 11/15/09 1141
Date Extracted: 11/10/09
Instrument Name: E-HRMS-04
GC Column: DB-225
Blank File Name: P204983
Cal Ver. File Name: P204981

Analyte Name	Result Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	56.3	0.299	1.46	0.79	1.001	1

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	1000	738.468	74		40-135	0.76	1.059
37Cl-2,3,7,8-TCDD	800	675.838	84		40-135	NA	0.986

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-16-110509
Lab Code: R0906411-017

Service Request: R0906411
Date Collected: 11/ 5/09 1047
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 72.2

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.325g
Data File Name: P106052
ICAL Date: 09/11/09

Date Analyzed: 11/14/09 1320
Date Extracted: 11/10/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106031
Cal Ver. File Name: P106043

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	6.73		0.123	1.34	0.79	1.001	1
1,2,3,7,8-PeCDD	11.1		0.150	3.35	1.59	1.000	1
1,2,3,4,7,8-HxCDD	19.0		0.438	3.35	1.18	0.998	1
1,2,3,6,7,8-HxCDD	45.3		0.309	3.35	1.27	1.000	1
1,2,3,7,8,9-HxCDD	36.4		0.387	3.35	1.23	1.009	1
1,2,3,4,6,7,8-HpCDD	1390	E	2.29	3.35	1.05	1.000	1
OCDD	23800	BE	1.10	6.71	0.90	1.000	1
2,3,7,8-TCDF	49.8	C	0.272	1.34	0.77	1.001	1
1,2,3,7,8-PeCDF	13.7		0.354	3.35	1.65	1.001	1
2,3,4,7,8-PeCDF	14.8		0.345	3.35	1.66	1.025	1
1,2,3,4,7,8-HxCDF	57.9		0.685	3.35	1.30	1.000	1
1,2,3,6,7,8-HxCDF	25.6		0.528	3.35	1.27	1.003	1
1,2,3,7,8,9-HxCDF	ND	U	0.927	3.35			1
2,3,4,6,7,8-HxCDF	24.2		0.674	3.35	1.26	1.017	1
1,2,3,4,6,7,8-HpCDF	403		2.30	3.35	1.04	1.000	1
1,2,3,4,7,8,9-HpCDF	49.5		3.77	3.35	1.05	1.034	1
OCDF	1460	E	0.295	6.71	0.90	1.004	1
Total Tetra-Dioxins	195		0.123	1.34	0.77		1
Total Penta-Dioxins	140		0.150	3.35	1.56		1
Total Hexa-Dioxins	419		0.309	3.35	1.25		1
Total Hepta-Dioxins	2860		2.29	3.35	1.05		1
Total Tetra-Furans	302		0.272	1.34	0.78		1
Total Penta-Furans	295		0.345	3.35	1.57		1
Total Hexa-Furans	376		0.528	3.35	1.26		1
Total Hepta-Furans	1300		2.30	3.35	1.04		1

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-16-110509
Lab Code: R0906411-017

Service Request: R0906411
Date Collected: 11/ 5/09 1047
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 72.2

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.325g
Data File Name: P106052
ICAL Date: 09/11/09

Date Analyzed: 11/14/09 1320
Date Extracted: 11/10/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106031
Cal Ver. File Name: P106043

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1000	807.261	81		40-135	0.81	1.009
13C-1,2,3,7,8-PeCDD	1000	765.795	77		40-135	1.57	1.178
13C-1,2,3,6,7,8-HxCDD	2500	1786.596	71		40-135	1.24	0.992
13C-1,2,3,4,6,7,8-HpCDD	2500	1634.788	65		40-135	1.07	1.068
13C-OCDD	5000	2706.736	54		40-135	0.88	1.148
13C-2,3,7,8-TCDF	1000	769.616	77		40-135	0.78	0.979
13C-1,2,3,7,8-PeCDF	1000	855.471	86		40-135	1.58	1.138
13C-1,2,3,4,7,8-HxCDF	2500	1890.027	76		40-135	0.51	0.971
13C-1,2,3,4,6,7,8-HpCDF	2500	1449.932	58		40-135	0.43	1.045
37Cl-2,3,7,8-TCDD	800	766.706	96		40-135	NA	1.011

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-16-110509
Lab Code: R0906411-017

Service Request: R0906411
Date Collected: 11/ 5/09 1047
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	6.73	0.123	1	1	6.73
1,2,3,7,8-PeCDD	11.1	0.150	1	1	11.1
1,2,3,4,7,8-HxCDD	19.0	0.438	1	0.1	1.90
1,2,3,6,7,8-HxCDD	45.3	0.309	1	0.1	4.53
1,2,3,7,8,9-HxCDD	36.4	0.387	1	0.1	3.64
1,2,3,4,6,7,8-HpCDD	1390	2.29	1	0.01	13.9
OCDD	23800	1.10	1	0.0003	7.14
2,3,7,8-TCDF	15.7	0.200	1	0.1	1.57
1,2,3,7,8-PeCDF	13.7	0.354	1	0.03	0.411
2,3,4,7,8-PeCDF	14.8	0.345	1	0.3	4.44
1,2,3,4,7,8-HxCDF	57.9	0.685	1	0.1	5.79
1,2,3,6,7,8-HxCDF	25.6	0.528	1	0.1	2.56
1,2,3,7,8,9-HxCDF	ND	0.927	1	0.1	
2,3,4,6,7,8-HxCDF	24.2	0.674	1	0.1	2.42
1,2,3,4,6,7,8-HpCDF	403	2.30	1	0.01	4.03
1,2,3,4,7,8,9-HpCDF	49.5	3.77	1	0.01	0.495
OCDF	1460	0.295	1	0.0003	0.438
Total TEQ					71.1

2005 WHO TEFs, ND = 0

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-16-110509
Lab Code: R0906411-017
Run Type: Reanalysis

Service Request: R0906411
Date Collected: 11/ 5/09 1047
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 72.2

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.325g
Data File Name: P204988
ICAL Date: 03/16/09

Date Analyzed: 11/15/09 1218
Date Extracted: 11/10/09
Instrument Name: E-HRMS-04
GC Column: DB-225
Blank File Name: P204983
Cal Ver. File Name: P204981

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	15.7		0.200	1.34	0.79	1.001	1

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	1000	801.495	80		40-135	0.75	1.059
37Cl-2,3,7,8-TCDD	800	734.536	92		40-135	NA	0.986

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-17-110509
Lab Code: R0906411-018

Service Request: R0906411
Date Collected: 11/ 5/09 1210
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 74.3

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.071g
Data File Name: P106053
ICAL Date: 09/11/09

Date Analyzed: 11/14/09 1408
Date Extracted: 11/10/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106031
Cal Ver. File Name: P106043

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	20.1		0.132	1.34	0.78	1.001	1
1,2,3,7,8-PeCDD	35.5		0.199	3.34	1.59	1.000	1
1,2,3,4,7,8-HxCDD	51.1	K	0.152	3.34	1.52	0.998	1
1,2,3,6,7,8-HxCDD	163		0.107	3.34	1.22	1.000	1
1,2,3,7,8,9-HxCDD	139		0.134	3.34	1.29	1.009	1
1,2,3,4,6,7,8-HpCDD	5260	E	10.4	3.34	1.05	1.000	1
OCDD	71500	BE	0.678	6.68	0.90	1.000	1
2,3,7,8-TCDF	99.9	C	0.300	1.34	0.77	1.002	1
1,2,3,7,8-PeCDF	22.7		0.689	3.34	1.64	1.001	1
2,3,4,7,8-PeCDF	30.4		0.672	3.34	1.60	1.024	1
1,2,3,4,7,8-HxCDF	144		1.06	3.34	1.25	1.000	1
1,2,3,6,7,8-HxCDF	58.1		0.816	3.34	1.26	1.003	1
1,2,3,7,8,9-HxCDF	ND	U	1.44	3.34			1
2,3,4,6,7,8-HxCDF	40.1		1.05	3.34	1.19	1.017	1
1,2,3,4,6,7,8-HpCDF	1690	E	6.06	3.34	1.04	1.000	1
1,2,3,4,7,8,9-HpCDF	156		9.91	3.34	1.08	1.034	1
OCDF	10200	E	0.251	6.68	0.90	1.004	1
Total Tetra-Dioxins	459		0.132	1.34	0.79		1
Total Penta-Dioxins	390		0.199	3.34	1.50		1
Total Hexa-Dioxins	1270		0.107	3.34	1.22		1
Total Hepta-Dioxins	10800		10.4	3.34	1.04		1
Total Tetra-Furans	674		0.300	1.34	0.78		1
Total Penta-Furans	533		0.672	3.34	1.61		1
Total Hexa-Furans	1550		0.816	3.34	1.25		1
Total Hepta-Furans	6940		6.06	3.34	1.04		1

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-17-110509
Lab Code: R0906411-018

Service Request: R0906411
Date Collected: 11/ 5/09 1210
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 74.3

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.071g
Data File Name: P106053
ICAL Date: 09/11/09

Date Analyzed: 11/14/09 1408
Date Extracted: 11/10/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106031
Cal Ver. File Name: P106043

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1000	746.217	75		40-135	0.83	1.010
13C-1,2,3,7,8-PeCDD	1000	743.863	74		40-135	1.54	1.179
13C-1,2,3,6,7,8-HxCDD	2500	1859.932	74		40-135	1.24	0.992
13C-1,2,3,4,6,7,8-HpCDD	2500	1785.696	71		40-135	1.08	1.068
13C-OCDD	5000	3042.635	61		40-135	0.88	1.148
13C-2,3,7,8-TCDF	1000	690.894	69		40-135	0.80	0.979
13C-1,2,3,7,8-PeCDF	1000	809.130	81		40-135	1.58	1.139
13C-1,2,3,4,7,8-HxCDF	2500	1943.475	78		40-135	0.51	0.970
13C-1,2,3,4,6,7,8-HpCDF	2500	1574.935	63		40-135	0.43	1.044
37Cl-2,3,7,8-TCDD	800	698.771	87		40-135	NA	1.011

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-17-110509
Lab Code: R0906411-018

Service Request: R0906411
Date Collected: 11/ 5/09 1210
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	20.1	0.132	1	1	20.1
1,2,3,7,8-PeCDD	35.5	0.199	1	1	35.5
1,2,3,4,7,8-HxCDD	51.1	0.152	1	0.1	5.11
1,2,3,6,7,8-HxCDD	163	0.107	1	0.1	16.3
1,2,3,7,8,9-HxCDD	139	0.134	1	0.1	13.9
1,2,3,4,6,7,8-HpCDD	5610	6.77	10	0.01	56.1
OCDD	41800	3.20	10	0.0003	12.5
2,3,7,8-TCDF	33.1	0.336	1	0.1	3.31
1,2,3,7,8-PeCDF	22.7	0.689	1	0.03	0.681
2,3,4,7,8-PeCDF	30.4	0.672	1	0.3	9.12
1,2,3,4,7,8-HxCDF	144	1.06	1	0.1	14.4
1,2,3,6,7,8-HxCDF	58.1	0.816	1	0.1	5.81
1,2,3,7,8,9-HxCDF	ND	1.44	1	0.1	
2,3,4,6,7,8-HxCDF	40.1	1.05	1	0.1	4.01
1,2,3,4,6,7,8-HpCDF	2260	7.25	10	0.01	22.6
1,2,3,4,7,8,9-HpCDF	156	9.91	1	0.01	1.56
OCDF	10500	2.92	10	0.0003	3.15
Total TEQ					224

2005 WHO TEFs, ND = 0

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-17-110509
Lab Code: R0906411-018
Run Type: Dilution

Service Request: R0906411
Date Collected: 11/ 5/09 1210
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 74.3

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.071g
Data File Name: P106295
ICAL Date: 09/11/09

Date Analyzed: 12/2/09 1906
Date Extracted: 11/10/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106031
Cal Ver. File Name: P106292

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	27.0	K	1.50	13.4	0.96	1.001	10
1,2,3,7,8-PeCDD	53.4		1.49	33.4	1.45	1.000	10
1,2,3,4,7,8-HxCDD	70.3		25.0	33.4	1.36	0.998	10
1,2,3,6,7,8-HxCDD	228		22.7	33.4	1.29	1.000	10
1,2,3,7,8,9-HxCDD	174		24.0	33.4	1.19	1.008	10
1,2,3,4,6,7,8-HpCDD	5610		6.77	33.4	1.04	1.000	10
OCDD	41800	BE	3.20	66.8	0.90	1.000	10
2,3,7,8-TCDF	134	C	2.33	13.4	0.79	1.001	10
1,2,3,7,8-PeCDF	37.9		1.99	33.4	1.54	1.000	10
2,3,4,7,8-PeCDF	47.4		1.97	33.4	1.73	1.024	10
1,2,3,4,7,8-HxCDF	185		12.8	33.4	1.21	1.000	10
1,2,3,6,7,8-HxCDF	85.6		12.2	33.4	1.27	1.003	10
1,2,3,7,8,9-HxCDF	ND	U	16.3	33.4			10
2,3,4,6,7,8-HxCDF	59.3		13.9	33.4	1.23	1.017	10
1,2,3,4,6,7,8-HpCDF	2260		7.25	33.4	1.05	1.000	10
1,2,3,4,7,8,9-HpCDF	260		10.1	33.4	1.07	1.034	10
OCDF	10500		2.92	66.8	0.90	1.004	10

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-17-110509
Lab Code: R0906411-018
Run Type: Dilution

Service Request: R0906411
Date Collected: 11/ 5/09 1210
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 74.3

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.071g
Data File Name: P106295
ICAL Date: 09/11/09

Date Analyzed: 12/2/09 1906
Date Extracted: 11/10/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106031
Cal Ver. File Name: P106292

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1330	990.936	74		40-135	0.78	1.009
13C-1,2,3,7,8-PeCDD	1350	1131.402	84		40-135	1.60	1.179
13C-1,2,3,6,7,8-HxCDD	3380	2438.966	72		40-135	1.25	0.992
13C-1,2,3,4,6,7,8-HpCDD	3520	2662.789	76		40-135	1.06	1.068
13C-OCDD	8200	4826.890	59		40-135	0.89	1.147
13C-2,3,7,8-TCDF	1450	1054.898	73		40-135	0.74	0.978
13C-1,2,3,7,8-PeCDF	1230	1162.671	94		40-135	1.61	1.139
13C-1,2,3,4,7,8-HxCDF	3210	2373.822	74		40-135	0.51	0.971
13C-1,2,3,4,6,7,8-HpCDF	3970	2739.278	69		40-135	0.44	1.044
37Cl-2,3,7,8-TCDD	800	86.208	108		40-135	NA	1.009

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-17-110509
Lab Code: R0906411-018
Run Type: Reanalysis

Service Request: R0906411
Date Collected: 11/ 5/09 1210
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 74.3

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.071g
Data File Name: P204989
ICAL Date: 03/16/09

Date Analyzed: 11/15/09 1254
Date Extracted: 11/10/09
Instrument Name: E-HRMS-04
GC Column: DB-225
Blank File Name: P204983
Cal Ver. File Name: P204981

Analyte Name	Result Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	33.1	0.336	1.34	0.76	1.001	1

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	1000	610.550	61		40-135	0.75	1.059
37Cl-2,3,7,8-TCDD	800	685.538	86		40-135	NA	0.986

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-18-110509
Lab Code: R0906411-019

Service Request: R0906411
Date Collected: 11/ 5/09 1308
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 74.6

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.385g
Data File Name: P106067
ICAL Date: 09/11/09

Date Analyzed: 11/16/09 2010
Date Extracted: 11/11/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P106064

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	10.9		0.124	1.29	0.80	1.001	1
1,2,3,7,8-PeCDD	28.7		0.276	3.23	1.66	1.000	1
1,2,3,4,7,8-HxCDD	59.7		1.08	3.23	1.28	0.998	1
1,2,3,6,7,8-HxCDD	234		0.972	3.23	1.26	1.000	1
1,2,3,7,8,9-HxCDD	131		1.03	3.23	1.26	1.009	1
1,2,3,4,6,7,8-HpCDD	7740	BE	14.2	3.23	1.05	1.000	1
OCDD	82700	BE	0.565	6.45	0.90	1.000	1
2,3,7,8-TCDF	64.0	C	1.02	1.29	0.77	1.001	1
1,2,3,7,8-PeCDF	21.9	P	0.736	3.23	1.74	1.001	1
2,3,4,7,8-PeCDF	24.6		0.728	3.23	1.76	1.025	1
1,2,3,4,7,8-HxCDF	147		1.13	3.23	1.23	1.000	1
1,2,3,6,7,8-HxCDF	69.0		1.08	3.23	1.20	1.003	1
1,2,3,7,8,9-HxCDF	ND	U	1.44	3.23			1
2,3,4,6,7,8-HxCDF	47.8		1.23	3.23	1.18	1.017	1
1,2,3,4,6,7,8-HpCDF	2600	BE	9.83	3.23	1.04	1.000	1
1,2,3,4,7,8,9-HpCDF	190		13.7	3.23	1.05	1.034	1
OCDF	20000	BE	0.201	6.45	0.90	1.004	1
Total Tetra-Dioxins	228		0.124	1.29	0.77		1
Total Penta-Dioxins	200		0.276	3.23	1.39		1
Total Hexa-Dioxins	1650		0.972	3.23	1.24		1
Total Hepta-Dioxins	15300		14.2	3.23	1.05		1
Total Tetra-Furans	422		1.02	1.29	0.77		1
Total Penta-Furans	540		0.728	3.23	1.60		1
Total Hexa-Furans	1230		1.08	3.23	1.24		1
Total Hepta-Furans	11500		9.83	3.23	1.04		1

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-18-110509
Lab Code: R0906411-019

Service Request: R0906411
Date Collected: 11/ 5/09 1308
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 74.6

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.385g
Data File Name: P106067
ICAL Date: 09/11/09

Date Analyzed: 11/16/09 2010
Date Extracted: 11/11/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P106064

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1000	618.762	62		40-135	0.79	1.009
13C-1,2,3,7,8-PeCDD	1000	641.411	64		40-135	1.56	1.179
13C-1,2,3,6,7,8-HxCDD	2500	1483.778	59		40-135	1.23	0.991
13C-1,2,3,4,6,7,8-HpCDD	2500	1449.791	58		40-135	1.08	1.068
13C-OCDD	5000	2066.829	41		40-135	0.90	1.148
13C-2,3,7,8-TCDF	1000	610.372	61		40-135	0.77	0.979
13C-1,2,3,7,8-PeCDF	1000	694.147	69		40-135	1.58	1.139
13C-1,2,3,4,7,8-HxCDF	2500	1532.912	61		40-135	0.52	0.970
13C-1,2,3,4,6,7,8-HpCDF	2500	1427.442	57		40-135	0.44	1.044
37Cl-2,3,7,8-TCDD	800	584.822	73		40-135	NA	1.010

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-18-110509
Lab Code: R0906411-019

Service Request: R0906411
Date Collected: 11/ 5/09 1308
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	10.9	0.124	1	1	10.9
1,2,3,7,8-PeCDD	28.7	0.276	1	1	28.7
1,2,3,4,7,8-HxCDD	59.7	1.08	1	0.1	5.97
1,2,3,6,7,8-HxCDD	234	0.972	1	0.1	23.4
1,2,3,7,8,9-HxCDD	131	1.03	1	0.1	13.1
1,2,3,4,6,7,8-HpCDD	8840	18.4	50	0.01	88.4
OCDD	86400	6.81	50	0.0003	25.9
2,3,7,8-TCDF	21.2	0.260	1	0.1	2.12
1,2,3,7,8-PeCDF	21.9	0.736	1	0.03	0.657
2,3,4,7,8-PeCDF	24.6	0.728	1	0.3	7.38
1,2,3,4,7,8-HxCDF	147	1.13	1	0.1	14.7
1,2,3,6,7,8-HxCDF	69.0	1.08	1	0.1	6.90
1,2,3,7,8,9-HxCDF	ND	1.44	1	0.1	
2,3,4,6,7,8-HxCDF	47.8	1.23	1	0.1	4.78
1,2,3,4,6,7,8-HpCDF	3290	9.96	50	0.01	32.9
1,2,3,4,7,8,9-HpCDF	190	13.7	1	0.01	1.90
OCDF	23100	3.88	50	0.0003	6.93
Total TEQ					275

2005 WHO TEFs, ND = 0

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-18-110509
Lab Code: R0906411-019
Run Type: Dilution

Service Request: R0906411
Date Collected: 11/ 5/09 1308
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 74.6

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.385g
Data File Name: P205249
ICAL Date: 08/01/08

Date Analyzed: 12/4/09 1536
Date Extracted: 11/11/09
Instrument Name: E-HRMS-04
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P205246

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	ND	U	5.27	64.5			50
1,2,3,7,8-PeCDD	41.8	J	3.04	161	1.37	1.001	50
1,2,3,4,7,8-HxCDD	75.5	J	7.61	161	1.20	0.999	50
1,2,3,6,7,8-HxCDD	300	K	6.74	161	1.44	1.000	50
1,2,3,7,8,9-HxCDD	201		7.33	161	1.36	1.009	50
1,2,3,4,6,7,8-HpCDD	8840	B	18.4	161	1.02	1.000	50
OCDD	86400	B	6.81	323	0.90	1.000	50
2,3,7,8-TCDF	84.5	CK	9.97	64.5	0.93	1.001	50
1,2,3,7,8-PeCDF	20.6	J	7.00	161	1.36	1.000	50
2,3,4,7,8-PeCDF	27.2	JK	6.93	161	1.83	1.024	50
1,2,3,4,7,8-HxCDF	206		28.2	161	1.12	1.000	50
1,2,3,6,7,8-HxCDF	91.9	JK	27.1	161	1.04	1.004	50
1,2,3,7,8,9-HxCDF	ND	U	35.3	161			50
2,3,4,6,7,8-HxCDF	47.2	JK	30.3	161	1.55	1.017	50
1,2,3,4,6,7,8-HpCDF	3290	B	9.96	161	1.04	1.000	50
1,2,3,4,7,8,9-HpCDF	240		13.6	161	0.92	1.034	50
OCDF	23100	B	3.88	323	0.90	1.004	50

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-18-110509
Lab Code: R0906411-019
Run Type: Dilution

Service Request: R0906411
Date Collected: 11/ 5/09 1308
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 74.6

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.385g
Data File Name: P205249
ICAL Date: 08/01/08

Date Analyzed: 12/4/09 1536
Date Extracted: 11/11/09
Instrument Name: E-HRMS-04
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P205246

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1610	872.174	54		40-135	0.77	1.010
13C-1,2,3,7,8-PeCDD	1560	1004.524	64		40-135	1.54	1.175
13C-1,2,3,6,7,8-HxCDD	4240	2365.220	56		40-135	1.24	0.992
13C-1,2,3,4,6,7,8-HpCDD	4310	2989.156	69		40-135	1.06	1.068
13C-OCDD	12200	5591.298	46		40-135	0.88	1.147
13C-2,3,7,8-TCDF	1640	787.582	48		40-135	0.76	0.980
13C-1,2,3,7,8-PeCDF	1450	945.580	65		40-135	1.54	1.136
13C-1,2,3,4,7,8-HxCDF	4100	2260.617	55		40-135	0.53	0.971
13C-1,2,3,4,6,7,8-HpCDF	4390	2725.815	62		40-135	0.43	1.044
37Cl-2,3,7,8-TCDD	800	11.246	70		40-135	NA	1.011

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-18-110509
Lab Code: R0906411-019
Run Type: Reanalysis

Service Request: R0906411
Date Collected: 11/ 5/09 1308
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 74.6

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.385g
Data File Name: P205014
ICAL Date: 03/16/09

Date Analyzed: 11/17/09 1110
Date Extracted: 11/11/09
Instrument Name: E-HRMS-04
GC Column: DB-225
Blank File Name: P205011
Cal Ver. File Name: P205010

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	21.2		0.260	1.29	0.80	1.001	1

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	1000	760.877	76		40-135	0.77	1.059
37Cl-2,3,7,8-TCDD	800	744.572	93		40-135	NA	0.988

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-19-110509
Lab Code: R0906411-020

Service Request: R0906411
Date Collected: 11/ 5/09 1440
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 74.4

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.724g
Data File Name: P106068
ICAL Date: 09/11/09

Date Analyzed: 11/16/09 2058
Date Extracted: 11/11/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P106064

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	2.49		0.109	1.25	0.78	1.001	1
1,2,3,7,8-PeCDD	5.74		0.146	3.13	1.60	1.000	1
1,2,3,4,7,8-HxCDD	11.2		0.257	3.13	1.27	0.998	1
1,2,3,6,7,8-HxCDD	46.2		0.233	3.13	1.23	1.000	1
1,2,3,7,8,9-HxCDD	27.5		0.247	3.13	1.22	1.009	1
1,2,3,4,6,7,8-HpCDD	1730	BE	1.52	3.13	1.04	1.000	1
OCDD	22100	BE	1.48	6.27	0.90	1.000	1
2,3,7,8-TCDF	45.4	C	0.178	1.25	0.79	1.001	1
1,2,3,7,8-PeCDF	5.87		0.193	3.13	1.57	1.000	1
2,3,4,7,8-PeCDF	14.8		0.191	3.13	1.53	1.025	1
1,2,3,4,7,8-HxCDF	35.0		0.628	3.13	1.24	1.000	1
1,2,3,6,7,8-HxCDF	10.7		0.599	3.13	1.37	1.003	1
1,2,3,7,8,9-HxCDF	ND	U	0.804	3.13			1
2,3,4,6,7,8-HxCDF	14.7		0.686	3.13	1.21	1.017	1
1,2,3,4,6,7,8-HpCDF	508	B	2.87	3.13	1.04	1.000	1
1,2,3,4,7,8,9-HpCDF	27.3		3.99	3.13	1.07	1.034	1
OCDF	3790	BE	0.547	6.27	0.90	1.004	1
Total Tetra-Dioxins	155		0.109	1.25	0.78		1
Total Penta-Dioxins	67.2		0.146	3.13	1.43		1
Total Hexa-Dioxins	335		0.233	3.13	1.26		1
Total Hepta-Dioxins	3600		1.52	3.13	1.06		1
Total Tetra-Furans	195		0.178	1.25	0.76		1
Total Penta-Furans	220		0.191	3.13	1.62		1
Total Hexa-Furans	245		0.599	3.13	1.27		1
Total Hepta-Furans	2160		2.87	3.13	1.04		1

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-19-110509
Lab Code: R0906411-020

Service Request: R0906411
Date Collected: 11/ 5/09 1440
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 74.4

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.724g
Data File Name: P106068
ICAL Date: 09/11/09

Date Analyzed: 11/16/09 2058
Date Extracted: 11/11/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P106064

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1000	665.164	67		40-135	0.80	1.009
13C-1,2,3,7,8-PeCDD	1000	675.975	68		40-135	1.56	1.179
13C-1,2,3,6,7,8-HxCDD	2500	1332.726	53		40-135	1.26	0.992
13C-1,2,3,4,6,7,8-HpCDD	2500	1218.981	49		40-135	1.06	1.069
13C-OCDD	5000	1836.663	37	Y	40-135	0.90	1.148
13C-2,3,7,8-TCDF	1000	715.076	72		40-135	0.78	0.978
13C-1,2,3,7,8-PeCDF	1000	662.425	66		40-135	1.58	1.139
13C-1,2,3,4,7,8-HxCDF	2500	1406.791	56		40-135	0.51	0.971
13C-1,2,3,4,6,7,8-HpCDF	2500	1187.958	48		40-135	0.44	1.045
37Cl-2,3,7,8-TCDD	800	601.269	75		40-135	NA	1.010

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-19-110509
Lab Code: R0906411-020

Service Request: R0906411
Date Collected: 11/ 5/09 1440
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	2.49	0.109	1	1	2.49
1,2,3,7,8-PeCDD	5.74	0.146	1	1	5.74
1,2,3,4,7,8-HxCDD	11.2	0.257	1	0.1	1.12
1,2,3,6,7,8-HxCDD	46.2	0.233	1	0.1	4.62
1,2,3,7,8,9-HxCDD	27.5	0.247	1	0.1	2.75
1,2,3,4,6,7,8-HpCDD	1730	1.52	1	0.01	17.3
OCDD	22100	1.48	1	0.0003	6.63
2,3,7,8-TCDF	8.45	0.0998	1	0.1	0.845
1,2,3,7,8-PeCDF	5.87	0.193	1	0.03	0.176
2,3,4,7,8-PeCDF	14.8	0.191	1	0.3	4.44
1,2,3,4,7,8-HxCDF	35.0	0.628	1	0.1	3.50
1,2,3,6,7,8-HxCDF	10.7	0.599	1	0.1	1.07
1,2,3,7,8,9-HxCDF	ND	0.804	1	0.1	
2,3,4,6,7,8-HxCDF	14.7	0.686	1	0.1	1.47
1,2,3,4,6,7,8-HpCDF	508	2.87	1	0.01	5.08
1,2,3,4,7,8,9-HpCDF	27.3	3.99	1	0.01	0.273
OCDF	3790	0.547	1	0.0003	1.14
Total TEQ					58.6

2005 WHO TEFs, ND = 0

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-19-110509
Lab Code: R0906411-020
Run Type: Reanalysis

Service Request: R0906411
Date Collected: 11/ 5/09 1440
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 74.4

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.724g
Data File Name: P205015
ICAL Date: 03/16/09

Date Analyzed: 11/17/09 1147
Date Extracted: 11/11/09
Instrument Name: E-HRMS-04
GC Column: DB-225
Blank File Name: P205011
Cal Ver. File Name: P205010

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	8.45		0.0998	1.25	0.84	1.000	1

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	1000	846.240	85		40-135	0.77	1.059
37Cl-2,3,7,8-TCDD	800	694.645	87		40-135	NA	0.987

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-20-110509
Lab Code: R0906411-021

Service Request: R0906411
Date Collected: 11/ 5/09 1510
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 76.5

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.633g
Data File Name: P106069
ICAL Date: 09/11/09

Date Analyzed: 11/16/09 2145
Date Extracted: 11/11/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P106064

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	4.33		0.108	1.23	0.81	1.001	1
1,2,3,7,8-PeCDD	8.59		0.190	3.07	1.50	1.000	1
1,2,3,4,7,8-HxCDD	17.6		0.405	3.07	1.29	0.998	1
1,2,3,6,7,8-HxCDD	95.8		0.367	3.07	1.27	1.000	1
1,2,3,7,8,9-HxCDD	47.1		0.388	3.07	1.27	1.009	1
1,2,3,4,6,7,8-HpCDD	3850	BE	4.47	3.07	1.05	1.000	1
OCDD	49200	BE	0.914	6.15	0.90	1.000	1
2,3,7,8-TCDF	20.5	C	0.209	1.23	0.76	1.001	1
1,2,3,7,8-PeCDF	5.37		0.285	3.07	1.63	1.000	1
2,3,4,7,8-PeCDF	8.02		0.282	3.07	1.53	1.025	1
1,2,3,4,7,8-HxCDF	46.2		0.853	3.07	1.25	1.000	1
1,2,3,6,7,8-HxCDF	13.0		0.815	3.07	1.24	1.003	1
1,2,3,7,8,9-HxCDF	ND	U	1.10	3.07			1
2,3,4,6,7,8-HxCDF	13.9		0.933	3.07	1.29	1.017	1
1,2,3,4,6,7,8-HpCDF	935	BE	1.99	3.07	1.04	1.000	1
1,2,3,4,7,8,9-HpCDF	57.7		2.76	3.07	1.06	1.034	1
OCDF	8500	BE	0.340	6.15	0.89	1.004	1
Total Tetra-Dioxins	832		0.108	1.23	0.79		1
Total Penta-Dioxins	114		0.190	3.07	1.45		1
Total Hexa-Dioxins	622		0.367	3.07	1.27		1
Total Hepta-Dioxins	7990		4.47	3.07	1.05		1
Total Tetra-Furans	99.8		0.209	1.23	0.79		1
Total Penta-Furans	212		0.282	3.07	1.60		1
Total Hexa-Furans	876		0.815	3.07	1.24		1
Total Hepta-Furans	4420		1.99	3.07	1.04		1

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-20-110509
Lab Code: R0906411-021

Service Request: R0906411
Date Collected: 11/ 5/09 1510
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 76.5

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.633g
Data File Name: P106069
ICAL Date: 09/11/09

Date Analyzed: 11/16/09 2145
Date Extracted: 11/11/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P106064

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1000	672.476	67		40-135	0.80	1.009
13C-1,2,3,7,8-PeCDD	1000	714.743	71		40-135	1.55	1.179
13C-1,2,3,6,7,8-HxCDD	2500	1748.388	70		40-135	1.27	0.992
13C-1,2,3,4,6,7,8-HpCDD	2500	1682.112	67		40-135	1.06	1.069
13C-OCDD	5000	2323.082	46		40-135	0.89	1.148
13C-2,3,7,8-TCDF	1000	663.814	66		40-135	0.80	0.979
13C-1,2,3,7,8-PeCDF	1000	738.581	74		40-135	1.62	1.139
13C-1,2,3,4,7,8-HxCDF	2500	1846.411	74		40-135	0.51	0.971
13C-1,2,3,4,6,7,8-HpCDF	2500	1652.431	66		40-135	0.45	1.045
37Cl-2,3,7,8-TCDD	800	641.410	80		40-135	NA	1.010

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-20-110509
Lab Code: R0906411-021

Service Request: R0906411
Date Collected: 11/ 5/09 1510
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	4.33	0.108	1	1	4.33
1,2,3,7,8-PeCDD	8.59	0.190	1	1	8.59
1,2,3,4,7,8-HxCDD	17.6	0.405	1	0.1	1.76
1,2,3,6,7,8-HxCDD	95.8	0.367	1	0.1	9.58
1,2,3,7,8,9-HxCDD	47.1	0.388	1	0.1	4.71
1,2,3,4,6,7,8-HpCDD	2730	3.83	20	0.01	27.3
OCDD	39700	3.51	20	0.0003	11.9
2,3,7,8-TCDF	5.16	0.0978	1	0.1	0.516
1,2,3,7,8-PeCDF	5.37	0.285	1	0.03	0.161
2,3,4,7,8-PeCDF	8.02	0.282	1	0.3	2.41
1,2,3,4,7,8-HxCDF	46.2	0.853	1	0.1	4.62
1,2,3,6,7,8-HxCDF	13.0	0.815	1	0.1	1.30
1,2,3,7,8,9-HxCDF	ND	1.10	1	0.1	
2,3,4,6,7,8-HxCDF	13.9	0.933	1	0.1	1.39
1,2,3,4,6,7,8-HpCDF	707	2.65	20	0.01	7.07
1,2,3,4,7,8,9-HpCDF	57.7	2.76	1	0.01	0.577
OCDF	5970	2.58	20	0.0003	1.79
Total TEQ					88.0

2005 WHO TEFs, ND = 0

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-20-110509
Lab Code: R0906411-021
Run Type: Dilution

Service Request: R0906411
Date Collected: 11/ 5/09 1510
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 76.5

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.633g
Data File Name: P205253
ICAL Date: 08/01/08

Date Analyzed: 12/4/09 1927
Date Extracted: 11/11/09
Instrument Name: E-HRMS-04
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P205250

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	ND	U	0.841	24.6			20
1,2,3,7,8-PeCDD	15.4	JK	0.707	61.5	1.19	1.000	20
1,2,3,4,7,8-HxCDD	16.3	J	3.24	61.5	1.37	0.998	20
1,2,3,6,7,8-HxCDD	87.1		2.87	61.5	1.28	1.000	20
1,2,3,7,8,9-HxCDD	67.0		3.13	61.5	1.18	1.009	20
1,2,3,4,6,7,8-HpCDD	2730	B	3.83	61.5	1.06	1.000	20
OCDD	39700	B	3.51	123	0.90	1.000	20
2,3,7,8-TCDF	ND	U	2.29	24.6			20
1,2,3,7,8-PeCDF	6.14	J	2.25	61.5	1.60	1.001	20
2,3,4,7,8-PeCDF	8.82	JK	2.22	61.5	1.25	1.025	20
1,2,3,4,7,8-HxCDF	45.3	J	2.45	61.5	1.22	1.000	20
1,2,3,6,7,8-HxCDF	16.2	J	2.35	61.5	1.25	1.003	20
1,2,3,7,8,9-HxCDF	ND	U	3.06	61.5			20
2,3,4,6,7,8-HxCDF	15.7	J	2.62	61.5	1.16	1.017	20
1,2,3,4,6,7,8-HpCDF	707	B	2.65	61.5	0.99	1.000	20
1,2,3,4,7,8,9-HpCDF	36.6	J	3.61	61.5	1.00	1.033	20
OCDF	5970	B	2.58	123	0.90	1.004	20

Comments: _____

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-20-110509
Lab Code: R0906411-021
Run Type: Dilution

Service Request: R0906411
Date Collected: 11/ 5/09 1510
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 76.5

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.633g
Data File Name: P205253
ICAL Date: 08/01/08

Date Analyzed: 12/4/09 1927
Date Extracted: 11/11/09
Instrument Name: E-HRMS-04
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P205250

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1490	973.676	65		40-135	0.78	1.009
13C-1,2,3,7,8-PeCDD	1410	1100.456	78		40-135	1.52	1.175
13C-1,2,3,6,7,8-HxCDD	3570	2458.320	69		40-135	1.21	0.992
13C-1,2,3,4,6,7,8-HpCDD	3730	2812.910	75		40-135	1.03	1.068
13C-OCDD	10900	4967.775	46		40-135	0.88	1.146
13C-2,3,7,8-TCDF	1520	909.310	60		40-135	0.74	0.979
13C-1,2,3,7,8-PeCDF	1350	1039.678	77		40-135	1.54	1.136
13C-1,2,3,4,7,8-HxCDF	3380	2418.205	72		40-135	0.51	0.971
13C-1,2,3,4,6,7,8-HpCDF	3790	2480.927	65		40-135	0.42	1.044
37Cl-2,3,7,8-TCDD	800	22.979	57		40-135	NA	1.010

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-20-110509
Lab Code: R0906411-021
Run Type: Reanalysis

Service Request: R0906411
Date Collected: 11/ 5/09 1510
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 76.5

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.633g
Data File Name: P205016
ICAL Date: 03/16/09

Date Analyzed: 11/17/09 1223
Date Extracted: 11/11/09
Instrument Name: E-HRMS-04
GC Column: DB-225
Blank File Name: P205011
Cal Ver. File Name: P205010

Analyte Name	Result Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	5.16	0.0978	1.23	0.77	1.000	1

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	1000	696.998	70		40-135	0.76	1.059
37Cl-2,3,7,8-TCDD	800	673.110	84		40-135	NA	0.987

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-21-110509
Lab Code: R0906411-022

Service Request: R0906411
Date Collected: 11/ 5/09 1540
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 76.4

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.628g
Data File Name: P106070
ICAL Date: 09/11/09

Date Analyzed: 11/16/09 2233
Date Extracted: 11/11/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P106064

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	22.0		0.123	1.23	0.76	1.000	1
1,2,3,7,8-PeCDD	48.5		0.182	3.08	1.60	1.000	1
1,2,3,4,7,8-HxCDD	118		1.02	3.08	1.26	0.998	1
1,2,3,6,7,8-HxCDD	385		0.920	3.08	1.25	1.000	1
1,2,3,7,8,9-HxCDD	257		0.974	3.08	1.17	1.009	1
1,2,3,4,6,7,8-HpCDD	14000	BE	10.5	3.08	1.04	1.000	1
OCDD	134000	BE	1.22	6.16	0.92	1.000	1
2,3,7,8-TCDF	53.8	C	0.941	1.23	0.75	1.001	1
1,2,3,7,8-PeCDF	26.9	KP	0.441	3.08	2.02	1.001	1
2,3,4,7,8-PeCDF	31.3		0.436	3.08	1.56	1.025	1
1,2,3,4,7,8-HxCDF	199		1.33	3.08	1.33	1.000	1
1,2,3,6,7,8-HxCDF	83.4	K	1.27	3.08	1.45	1.003	1
1,2,3,7,8,9-HxCDF	ND	U	1.70	3.08			1
2,3,4,6,7,8-HxCDF	124		1.45	3.08	1.27	1.017	1
1,2,3,4,6,7,8-HpCDF	4730	BE	5.66	3.08	1.05	1.000	1
1,2,3,4,7,8,9-HpCDF	293		7.87	3.08	1.07	1.034	1
OCDF	40800	BE	0.387	6.16	0.90	1.004	1
Total Tetra-Dioxins	338		0.123	1.23	0.78		1
Total Penta-Dioxins	504		0.182	3.08	1.46		1
Total Hexa-Dioxins	2890		0.920	3.08	1.26		1
Total Hepta-Dioxins	28200		10.5	3.08	1.05		1
Total Tetra-Furans	341		0.941	1.23	0.88		1
Total Penta-Furans	723		0.436	3.08	1.57		1
Total Hexa-Furans	1990		1.27	3.08	1.29		1
Total Hepta-Furans	19500		5.66	3.08	1.05		1

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-21-110509
Lab Code: R0906411-022

Service Request: R0906411
Date Collected: 11/ 5/09 1540
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 76.4

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.628g
Data File Name: P106070
ICAL Date: 09/11/09

Date Analyzed: 11/16/09 2233
Date Extracted: 11/11/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P106064

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1000	656.193	66		40-135	0.76	1.010
13C-1,2,3,7,8-PeCDD	1000	676.854	68		40-135	1.55	1.179
13C-1,2,3,6,7,8-HxCDD	2500	1482.323	59		40-135	1.26	0.991
13C-1,2,3,4,6,7,8-HpCDD	2500	1481.106	59		40-135	1.08	1.068
13C-OCDD	5000	2085.304	42		40-135	0.91	1.148
13C-2,3,7,8-TCDF	1000	658.268	66		40-135	0.78	0.979
13C-1,2,3,7,8-PeCDF	1000	684.414	68		40-135	1.60	1.139
13C-1,2,3,4,7,8-HxCDF	2500	1566.642	63		40-135	0.52	0.970
13C-1,2,3,4,6,7,8-HpCDF	2500	1464.755	59		40-135	0.44	1.044
37Cl-2,3,7,8-TCDD	800	626.379	78		40-135	NA	1.011

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-21-110509
Lab Code: R0906411-022

Service Request: R0906411
Date Collected: 11/ 5/09 1540
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	22.0	0.123	1	1	22.0
1,2,3,7,8-PeCDD	48.5	0.182	1	1	48.5
1,2,3,4,7,8-HxCDD	118	1.02	1	0.1	11.8
1,2,3,6,7,8-HxCDD	385	0.920	1	0.1	38.5
1,2,3,7,8,9-HxCDD	257	0.974	1	0.1	25.7
1,2,3,4,6,7,8-HpCDD	16500	16.7	100	0.01	165
OCDD	153000	15.2	100	0.0003	45.9
2,3,7,8-TCDF	19.5	0.186	1	0.1	1.95
1,2,3,7,8-PeCDF	26.9	0.441	1	0.03	0.807
2,3,4,7,8-PeCDF	31.3	0.436	1	0.3	9.39
1,2,3,4,7,8-HxCDF	199	1.33	1	0.1	19.9
1,2,3,6,7,8-HxCDF	83.4	1.27	1	0.1	8.34
1,2,3,7,8,9-HxCDF	ND	1.70	1	0.1	
2,3,4,6,7,8-HxCDF	124	1.45	1	0.1	12.4
1,2,3,4,6,7,8-HpCDF	6060	29.4	100	0.01	60.6
1,2,3,4,7,8,9-HpCDF	293	7.87	1	0.01	2.93
OCDF	42100	8.68	100	0.0003	12.6
Total TEQ					486

2005 WHO TEFs, ND = 0

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-21-110509
Lab Code: R0906411-022
Run Type: Dilution

Service Request: R0906411
Date Collected: 11/ 5/09 1540
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 76.4

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.628g
Data File Name: P205254
ICAL Date: 08/01/08

Date Analyzed: 12/4/09 2014
Date Extracted: 11/11/09
Instrument Name: E-HRMS-04
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P205250

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	26.6	JK	7.36	123	0.98	1.001	100
1,2,3,7,8-PeCDD	69.5	JK	4.88	308	1.18	1.000	100
1,2,3,4,7,8-HxCDD	159	J	8.46	308	1.22	0.998	100
1,2,3,6,7,8-HxCDD	652		7.50	308	1.15	1.000	100
1,2,3,7,8,9-HxCDD	533		8.17	308	1.39	1.008	100
1,2,3,4,6,7,8-HpCDD	16500	B	16.7	308	1.00	1.000	100
OCDD	153000	B	15.2	616	0.89	1.000	100
2,3,7,8-TCDF	29.2	CJ	13.0	123	0.67	1.002	100
1,2,3,7,8-PeCDF	59.3	J	9.68	308	1.49	1.001	100
2,3,4,7,8-PeCDF	38.4	J	9.59	308	1.33	1.024	100
1,2,3,4,7,8-HxCDF	271	J	55.1	308	1.24	1.000	100
1,2,3,6,7,8-HxCDF	183	J	52.9	308	1.29	1.003	100
1,2,3,7,8,9-HxCDF	ND	U	68.9	308			100
2,3,4,6,7,8-HxCDF	117	JK	59.1	308	1.64	1.017	100
1,2,3,4,6,7,8-HpCDF	6060	B	29.4	308	1.06	1.000	100
1,2,3,4,7,8,9-HpCDF	307	J	40.1	308	0.94	1.033	100
OCDF	42100	B	8.68	616	0.88	1.004	100

Comments: _____

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-21-110509
Lab Code: R0906411-022
Run Type: Dilution

Service Request: R0906411
Date Collected: 11/ 5/09 1540
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 76.4

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.628g
Data File Name: P205254
ICAL Date: 08/01/08

Date Analyzed: 12/4/09 2014
Date Extracted: 11/11/09
Instrument Name: E-HRMS-04
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P205250

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1520	919.633	61		40-135	0.77	1.010
13C-1,2,3,7,8-PeCDD	1470	1087.316	74		40-135	1.55	1.176
13C-1,2,3,6,7,8-HxCDD	4240	2533.830	60		40-135	1.21	0.992
13C-1,2,3,4,6,7,8-HpCDD	4240	2889.168	68		40-135	1.04	1.068
13C-OCDD	11900	5031.631	42		40-135	0.89	1.147
13C-2,3,7,8-TCDF	1520	880.190	58		40-135	0.75	0.980
13C-1,2,3,7,8-PeCDF	1470	1020.260	69		40-135	1.52	1.136
13C-1,2,3,4,7,8-HxCDF	3970	2448.075	62		40-135	0.51	0.971
13C-1,2,3,4,6,7,8-HpCDF	4240	2712.893	64		40-135	0.43	1.044
37Cl-2,3,7,8-TCDD	800	6.436	80		40-135	NA	1.010

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-21-110509
Lab Code: R0906411-022
Run Type: Reanalysis

Service Request: R0906411
Date Collected: 11/ 5/09 1540
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 76.4

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.628g
Data File Name: P205017
ICAL Date: 03/16/09

Date Analyzed: 11/17/09 1300
Date Extracted: 11/11/09
Instrument Name: E-HRMS-04
GC Column: DB-225
Blank File Name: P205011
Cal Ver. File Name: P205010

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	19.5		0.186	1.23	0.69	1.001	1

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	1000	659.192	66		40-135	0.77	1.059
37Cl-2,3,7,8-TCDD	800	636.226	80		40-135	NA	0.987

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-22-110509
Lab Code: R0906411-023

Service Request: R0906411
Date Collected: 11/ 5/09 1610
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 79.1

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.520g
Data File Name: P205248
ICAL Date: 08/01/08

Date Analyzed: 12/4/09 1448
Date Extracted: 11/11/09
Instrument Name: E-HRMS-04
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P205246

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	ND	U	0.0653	1.20			1
1,2,3,7,8-PeCDD	0.659	J	0.0676	3.00	1.37	1.000	1
1,2,3,4,7,8-HxCDD	0.891	J	0.0448	3.00	1.19	0.998	1
1,2,3,6,7,8-HxCDD	2.31	JK	0.0397	3.00	1.48	1.000	1
1,2,3,7,8,9-HxCDD	2.35	J	0.0431	3.00	1.33	1.008	1
1,2,3,4,6,7,8-HpCDD	72.9	B	0.0486	3.00	1.02	1.000	1
OCDD	1680	BE	0.0641	6.01	0.89	1.000	1
2,3,7,8-TCDF	1.51	C	0.152	1.20	0.88	1.001	1
1,2,3,7,8-PeCDF	0.355	J	0.106	3.00	1.43	1.001	1
2,3,4,7,8-PeCDF	0.440	J	0.105	3.00	1.35	1.025	1
1,2,3,4,7,8-HxCDF	1.66	J	0.162	3.00	1.25	1.000	1
1,2,3,6,7,8-HxCDF	0.795	JK	0.156	3.00	1.52	1.003	1
1,2,3,7,8,9-HxCDF	ND	U	0.203	3.00			1
2,3,4,6,7,8-HxCDF	0.761	J	0.174	3.00	1.11	1.017	1
1,2,3,4,6,7,8-HpCDF	19.6	B	0.102	3.00	1.04	1.000	1
1,2,3,4,7,8,9-HpCDF	1.29	J	0.139	3.00	1.05	1.034	1
OCDF	76.6	B	0.0609	6.01	0.89	1.004	1
Total Tetra-Dioxins	0.585	J	0.0653	1.20	0.66		1
Total Penta-Dioxins	5.15		0.0676	3.00	1.38		1
Total Hexa-Dioxins	19.2		0.0397	3.00	1.25		1
Total Hepta-Dioxins	148		0.0486	3.00	1.02		1
Total Tetra-Furans	2.55		0.152	1.20	0.75		1
Total Penta-Furans	5.64		0.105	3.00	1.46		1
Total Hexa-Furans	18.2		0.156	3.00	1.24		1
Total Hepta-Furans	62.4		0.102	3.00	1.04		1

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-22-110509
Lab Code: R0906411-023

Service Request: R0906411
Date Collected: 11/ 5/09 1610
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 79.1

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.520g
Data File Name: P205248
ICAL Date: 08/01/08

Date Analyzed: 12/4/09 1448
Date Extracted: 11/11/09
Instrument Name: E-HRMS-04
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P205246

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1000	604.205	60		40-135	0.75	1.009
13C-1,2,3,7,8-PeCDD	1000	772.559	77		40-135	1.52	1.175
13C-1,2,3,6,7,8-HxCDD	2500	2041.765	82		40-135	1.24	0.992
13C-1,2,3,4,6,7,8-HpCDD	2500	2314.042	93		40-135	1.03	1.068
13C-OCDD	5000	3909.313	78		40-135	0.89	1.147
13C-2,3,7,8-TCDF	1000	545.900	55		40-135	0.77	0.980
13C-1,2,3,7,8-PeCDF	1000	669.351	67		40-135	1.51	1.136
13C-1,2,3,4,7,8-HxCDF	2500	1812.243	72		40-135	0.52	0.971
13C-1,2,3,4,6,7,8-HpCDF	2500	2026.229	81		40-135	0.44	1.044
37Cl-2,3,7,8-TCDD	800	558.366	70		40-135	NA	1.010

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-22-110509
Lab Code: R0906411-023

Service Request: R0906411
Date Collected: 11/ 5/09 1610
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	ND	0.0653	1	1	
1,2,3,7,8-PeCDD	0.659	0.0676	1	1	0.659
1,2,3,4,7,8-HxCDD	0.891	0.0448	1	0.1	0.0891
1,2,3,6,7,8-HxCDD	2.31	0.0397	1	0.1	0.231
1,2,3,7,8,9-HxCDD	2.35	0.0431	1	0.1	0.235
1,2,3,4,6,7,8-HpCDD	72.9	0.0486	1	0.01	0.729
OCDD	1680	0.0641	1	0.0003	0.504
2,3,7,8-TCDF	0.507	0.0999	1	0.1	0.0507
1,2,3,7,8-PeCDF	0.355	0.106	1	0.03	0.0107
2,3,4,7,8-PeCDF	0.440	0.105	1	0.3	0.132
1,2,3,4,7,8-HxCDF	1.66	0.162	1	0.1	0.166
1,2,3,6,7,8-HxCDF	0.795	0.156	1	0.1	0.0795
1,2,3,7,8,9-HxCDF	ND	0.203	1	0.1	
2,3,4,6,7,8-HxCDF	0.761	0.174	1	0.1	0.0761
1,2,3,4,6,7,8-HpCDF	19.6	0.102	1	0.01	0.196
1,2,3,4,7,8,9-HpCDF	1.29	0.139	1	0.01	0.0129
OCDF	76.6	0.0609	1	0.0003	0.0230
Total TEQ					3.19

2005 WHO TEFs, ND = 0

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-22-110509
Lab Code: R0906411-023
Run Type: Reanalysis

Service Request: R0906411
Date Collected: 11/ 5/09 1610
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 79.1

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.520g
Data File Name: P205018
ICAL Date: 03/16/09

Date Analyzed: 11/17/09 1337
Date Extracted: 11/11/09
Instrument Name: E-HRMS-04
GC Column: DB-225
Blank File Name: P205011
Cal Ver. File Name: P205010

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	0.507	J	0.0999	1.20	0.86	1.000	1

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	1000	557.667	56		40-135	0.76	1.059
37Cl-2,3,7,8-TCDD	800	528.144	66		40-135	NA	0.987

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-23-110509
Lab Code: R0906411-024

Service Request: R0906411
Date Collected: 11/ 5/09 1650
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 79.5

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.786g
Data File Name: P106072
ICAL Date: 09/11/09

Date Analyzed: 11/17/09 0008
Date Extracted: 11/11/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P106064

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	4.57		0.0993	1.17	0.87	1.001	1
1,2,3,7,8-PeCDD	8.65	K	0.137	2.92	1.81	1.000	1
1,2,3,4,7,8-HxCDD	24.1		0.906	2.92	1.29	0.998	1
1,2,3,6,7,8-HxCDD	67.8		0.822	2.92	1.21	1.000	1
1,2,3,7,8,9-HxCDD	96.7		0.870	2.92	1.32	1.009	1
1,2,3,4,6,7,8-HpCDD	2570	BE	3.30	2.92	1.05	1.000	1
OCDD	25400	BE	0.930	5.83	0.90	1.000	1
2,3,7,8-TCDF	15.8	C	0.808	1.17	0.76	1.001	1
1,2,3,7,8-PeCDF	6.80		0.303	2.92	1.64	1.001	1
2,3,4,7,8-PeCDF	7.25		0.300	2.92	1.75	1.024	1
1,2,3,4,7,8-HxCDF	47.9		1.01	2.92	1.28	1.000	1
1,2,3,6,7,8-HxCDF	25.0		0.964	2.92	1.24	1.003	1
1,2,3,7,8,9-HxCDF	ND	U	1.30	2.92			1
2,3,4,6,7,8-HxCDF	20.4		1.11	2.92	1.09	1.017	1
1,2,3,4,6,7,8-HpCDF	771	BE	2.77	2.92	1.05	1.000	1
1,2,3,4,7,8,9-HpCDF	54.9		3.86	2.92	1.08	1.033	1
OCDF	5770	BE	0.252	5.83	0.89	1.004	1
Total Tetra-Dioxins	90.6		0.0993	1.17	0.78		1
Total Penta-Dioxins	50.2		0.137	2.92	1.46		1
Total Hexa-Dioxins	1090		0.822	2.92	1.26		1
Total Hepta-Dioxins	5180		3.30	2.92	1.05		1
Total Tetra-Furans	99.7		0.808	1.17	0.75		1
Total Penta-Furans	134		0.300	2.92	1.59		1
Total Hexa-Furans	629		0.964	2.92	1.27		1
Total Hepta-Furans	3230		2.77	2.92	1.05		1

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-23-110509
Lab Code: R0906411-024

Service Request: R0906411
Date Collected: 11/ 5/09 1650
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 79.5

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.786g
Data File Name: P106072
ICAL Date: 09/11/09

Date Analyzed: 11/17/09 0008
Date Extracted: 11/11/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P106064

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1000	665.345	67		40-135	0.76	1.009
13C-1,2,3,7,8-PeCDD	1000	700.159	70		40-135	1.56	1.180
13C-1,2,3,6,7,8-HxCDD	2500	765.191	31	Y	40-135	1.26	0.991
13C-1,2,3,4,6,7,8-HpCDD	2500	1602.730	64		40-135	1.07	1.068
13C-OCDD	5000	2396.987	48		40-135	0.90	1.147
13C-2,3,7,8-TCDF	1000	614.101	61		40-135	0.79	0.980
13C-1,2,3,7,8-PeCDF	1000	720.465	72		40-135	1.61	1.140
13C-1,2,3,4,7,8-HxCDF	2500	1702.964	68		40-135	0.51	0.970
13C-1,2,3,4,6,7,8-HpCDF	2500	1569.464	63		40-135	0.44	1.045
37Cl-2,3,7,8-TCDD	800	656.008	82		40-135	NA	1.011

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-23-110509
Lab Code: R0906411-024

Service Request: R0906411
Date Collected: 11/ 5/09 1650
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	4.57	0.0993	1	1	4.57
1,2,3,7,8-PeCDD	8.65	0.137	1	1	8.65
1,2,3,4,7,8-HxCDD	24.1	0.906	1	0.1	2.41
1,2,3,6,7,8-HxCDD	67.8	0.822	1	0.1	6.78
1,2,3,7,8,9-HxCDD	96.7	0.870	1	0.1	9.67
1,2,3,4,6,7,8-HpCDD	2570	3.30	1	0.01	25.7
OCDD	25400	0.930	1	0.0003	7.62
2,3,7,8-TCDF	5.56	0.133	1	0.1	0.556
1,2,3,7,8-PeCDF	6.80	0.303	1	0.03	0.204
2,3,4,7,8-PeCDF	7.25	0.300	1	0.3	2.18
1,2,3,4,7,8-HxCDF	47.9	1.01	1	0.1	4.79
1,2,3,6,7,8-HxCDF	25.0	0.964	1	0.1	2.50
1,2,3,7,8,9-HxCDF	ND	1.30	1	0.1	
2,3,4,6,7,8-HxCDF	20.4	1.11	1	0.1	2.04
1,2,3,4,6,7,8-HpCDF	771	2.77	1	0.01	7.71
1,2,3,4,7,8,9-HpCDF	54.9	3.86	1	0.01	0.549
OCDF	5770	0.252	1	0.0003	1.73
Total TEQ					87.7

2005 WHO TEFs, ND = 0

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-23-110509
Lab Code: R0906411-024
Run Type: Reanalysis

Service Request: R0906411
Date Collected: 11/ 5/09 1650
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 79.5

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.786g
Data File Name: P205019
ICAL Date: 03/16/09

Date Analyzed: 11/17/09 1414
Date Extracted: 11/11/09
Instrument Name: E-HRMS-04
GC Column: DB-225
Blank File Name: P205011
Cal Ver. File Name: P205010

Analyte Name	Result Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	5.56	0.133	1.17	0.85	1.000	1

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	1000	705.270	71		40-135	0.76	1.059
37Cl-2,3,7,8-TCDD	800	682.428	85		40-135	NA	0.987

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-23-110509-D
Lab Code: R0906411-025

Service Request: R0906411
Date Collected: 11/ 5/09 1650
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 77.0

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.585g
Data File Name: P106073
ICAL Date: 09/11/09

Date Analyzed: 11/17/09 0056
Date Extracted: 11/11/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P106064

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	4.08		0.156	1.23	0.78	1.001	1
1,2,3,7,8-PeCDD	5.88		0.206	3.07	1.61	1.000	1
1,2,3,4,7,8-HxCDD	11.7		0.620	3.07	1.19	0.998	1
1,2,3,6,7,8-HxCDD	50.1		0.562	3.07	1.23	1.000	1
1,2,3,7,8,9-HxCDD	32.0		0.595	3.07	1.16	1.009	1
1,2,3,4,6,7,8-HpCDD	1780	BE	6.07	3.07	1.06	1.000	1
OCDD	19500	BE	1.13	6.13	0.90	1.000	1
2,3,7,8-TCDF	11.4	C	0.371	1.23	0.83	1.001	1
1,2,3,7,8-PeCDF	4.52		0.286	3.07	1.71	1.001	1
2,3,4,7,8-PeCDF	5.47		0.283	3.07	1.57	1.025	1
1,2,3,4,7,8-HxCDF	29.7		0.762	3.07	1.27	1.000	1
1,2,3,6,7,8-HxCDF	14.2		0.728	3.07	1.10	1.004	1
1,2,3,7,8,9-HxCDF	ND	U	0.976	3.07			1
2,3,4,6,7,8-HxCDF	15.4		0.833	3.07	1.14	1.017	1
1,2,3,4,6,7,8-HpCDF	536	B	1.39	3.07	1.05	1.000	1
1,2,3,4,7,8,9-HpCDF	34.6		1.93	3.07	1.07	1.034	1
OCDF	3950	BE	0.418	6.13	0.90	1.004	1
Total Tetra-Dioxins	68.0		0.156	1.23	0.78		1
Total Penta-Dioxins	77.9		0.206	3.07	1.55		1
Total Hexa-Dioxins	361		0.562	3.07	1.28		1
Total Hepta-Dioxins	3670		6.07	3.07	1.05		1
Total Tetra-Furans	68.2		0.371	1.23	0.78		1
Total Penta-Furans	110		0.283	3.07	1.58		1
Total Hexa-Furans	263		0.728	3.07	1.29		1
Total Hepta-Furans	2220		1.39	3.07	1.05		1

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-23-110509-D
Lab Code: R0906411-025

Service Request: R0906411
Date Collected: 11/ 5/09 1650
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 77.0

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.585g
Data File Name: P106073
ICAL Date: 09/11/09

Date Analyzed: 11/17/09 0056
Date Extracted: 11/11/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P106064

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1000	569.386	57		40-135	0.78	1.009
13C-1,2,3,7,8-PeCDD	1000	568.785	57		40-135	1.55	1.179
13C-1,2,3,6,7,8-HxCDD	2500	1430.891	57		40-135	1.28	0.991
13C-1,2,3,4,6,7,8-HpCDD	2500	1378.064	55		40-135	1.07	1.068
13C-OCDD	5000	2080.024	42		40-135	0.87	1.147
13C-2,3,7,8-TCDF	1000	553.671	55		40-135	0.76	0.980
13C-1,2,3,7,8-PeCDF	1000	559.245	56		40-135	1.59	1.139
13C-1,2,3,4,7,8-HxCDF	2500	1514.154	61		40-135	0.52	0.970
13C-1,2,3,4,6,7,8-HpCDF	2500	1373.704	55		40-135	0.44	1.044
37Cl-2,3,7,8-TCDD	800	513.169	64		40-135	NA	1.011

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-23-110509-D
Lab Code: R0906411-025

Service Request: R0906411
Date Collected: 11/ 5/09 1650
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	4.08	0.156	1	1	4.08
1,2,3,7,8-PeCDD	5.88	0.206	1	1	5.88
1,2,3,4,7,8-HxCDD	11.7	0.620	1	0.1	1.17
1,2,3,6,7,8-HxCDD	50.1	0.562	1	0.1	5.01
1,2,3,7,8,9-HxCDD	32.0	0.595	1	0.1	3.20
1,2,3,4,6,7,8-HpCDD	1780	6.07	1	0.01	17.8
OCDD	19500	1.13	1	0.0003	5.85
2,3,7,8-TCDF	4.05	0.0964	1	0.1	0.405
1,2,3,7,8-PeCDF	4.52	0.286	1	0.03	0.136
2,3,4,7,8-PeCDF	5.47	0.283	1	0.3	1.64
1,2,3,4,7,8-HxCDF	29.7	0.762	1	0.1	2.97
1,2,3,6,7,8-HxCDF	14.2	0.728	1	0.1	1.42
1,2,3,7,8,9-HxCDF	ND	0.976	1	0.1	
2,3,4,6,7,8-HxCDF	15.4	0.833	1	0.1	1.54
1,2,3,4,6,7,8-HpCDF	536	1.39	1	0.01	5.36
1,2,3,4,7,8,9-HpCDF	34.6	1.93	1	0.01	0.346
OCDF	3950	0.418	1	0.0003	1.19
Total TEQ					58.0

2005 WHO TEFs, ND = 0

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-23-110509-D
Lab Code: R0906411-025
Run Type: Reanalysis

Service Request: R0906411
Date Collected: 11/ 5/09 1650
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 77.0

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.585g
Data File Name: P205020
ICAL Date: 03/16/09

Date Analyzed: 11/17/09 1450
Date Extracted: 11/11/09
Instrument Name: E-HRMS-04
GC Column: DB-225
Blank File Name: P205011
Cal Ver. File Name: P205010

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	4.05		0.0964	1.23	0.78	1.001	1

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	1000	610.359	61		40-135	0.76	1.059
37Cl-2,3,7,8-TCDD	800	576.235	72		40-135	NA	0.988

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-24-110609
Lab Code: R0906411-026

Service Request: R0906411
Date Collected: 11/ 6/09 0845
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 74.0

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.393g
Data File Name: P106074
ICAL Date: 09/11/09

Date Analyzed: 11/17/09 0143
Date Extracted: 11/11/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P106064

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	3.92		0.114	1.30	0.75	1.001	1
1,2,3,7,8-PeCDD	10.1		0.176	3.25	1.74	1.000	1
1,2,3,4,7,8-HxCDD	20.7		0.695	3.25	1.23	0.998	1
1,2,3,6,7,8-HxCDD	83.2		0.630	3.25	1.25	1.000	1
1,2,3,7,8,9-HxCDD	52.4		0.667	3.25	1.33	1.009	1
1,2,3,4,6,7,8-HpCDD	2910	BE	8.66	3.25	1.04	1.000	1
OCDD	29900	BE	1.09	6.50	0.90	1.000	1
2,3,7,8-TCDF	14.1	C	0.386	1.30	0.78	1.001	1
1,2,3,7,8-PeCDF	5.03	K	0.275	3.25	1.86	1.001	1
2,3,4,7,8-PeCDF	7.78		0.272	3.25	1.43	1.025	1
1,2,3,4,7,8-HxCDF	57.2		1.11	3.25	1.20	1.000	1
1,2,3,6,7,8-HxCDF	25.9		1.06	3.25	1.37	1.003	1
1,2,3,7,8,9-HxCDF	ND	U	1.42	3.25			1
2,3,4,6,7,8-HxCDF	35.3		1.21	3.25	1.25	1.017	1
1,2,3,4,6,7,8-HpCDF	1040	BE	4.15	3.25	1.04	1.000	1
1,2,3,4,7,8,9-HpCDF	71.5		5.77	3.25	1.04	1.034	1
OCDF	7310	BE	0.451	6.50	0.90	1.004	1
Total Tetra-Dioxins	54.0		0.114	1.30	0.79		1
Total Penta-Dioxins	105		0.176	3.25	1.41		1
Total Hexa-Dioxins	597		0.630	3.25	1.28		1
Total Hepta-Dioxins	6010		8.66	3.25	1.05		1
Total Tetra-Furans	88.5		0.386	1.30	0.86		1
Total Penta-Furans	165		0.272	3.25	1.61		1
Total Hexa-Furans	534		1.06	3.25	1.21		1
Total Hepta-Furans	4310		4.15	3.25	1.04		1

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-24-110609
Lab Code: R0906411-026

Service Request: R0906411
Date Collected: 11/ 6/09 0845
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 74.0

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.393g
Data File Name: P106074
ICAL Date: 09/11/09

Date Analyzed: 11/17/09 0143
Date Extracted: 11/11/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P106064

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1000	618.043	62		40-135	0.79	1.009
13C-1,2,3,7,8-PeCDD	1000	624.146	62		40-135	1.56	1.179
13C-1,2,3,6,7,8-HxCDD	2500	1321.713	53		40-135	1.25	0.991
13C-1,2,3,4,6,7,8-HpCDD	2500	1228.336	49		40-135	1.08	1.068
13C-OCDD	5000	1822.654	36	Y	40-135	0.89	1.147
13C-2,3,7,8-TCDF	1000	635.362	64		40-135	0.77	0.978
13C-1,2,3,7,8-PeCDF	1000	633.477	63		40-135	1.58	1.139
13C-1,2,3,4,7,8-HxCDF	2500	1413.625	57		40-135	0.52	0.970
13C-1,2,3,4,6,7,8-HpCDF	2500	1193.448	48		40-135	0.44	1.044
37Cl-2,3,7,8-TCDD	800	538.063	67		40-135	NA	1.011

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-24-110609
Lab Code: R0906411-026

Service Request: R0906411
Date Collected: 11/ 6/09 0845
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	3.92	0.114	1	1	3.92
1,2,3,7,8-PeCDD	10.1	0.176	1	1	10.1
1,2,3,4,7,8-HxCDD	20.7	0.695	1	0.1	2.07
1,2,3,6,7,8-HxCDD	83.2	0.630	1	0.1	8.32
1,2,3,7,8,9-HxCDD	52.4	0.667	1	0.1	5.24
1,2,3,4,6,7,8-HpCDD	2910	8.66	1	0.01	29.1
OCDD	29900	1.09	1	0.0003	8.97
2,3,7,8-TCDF	5.03	0.137	1	0.1	0.503
1,2,3,7,8-PeCDF	5.03	0.275	1	0.03	0.151
2,3,4,7,8-PeCDF	7.78	0.272	1	0.3	2.33
1,2,3,4,7,8-HxCDF	57.2	1.11	1	0.1	5.72
1,2,3,6,7,8-HxCDF	25.9	1.06	1	0.1	2.59
1,2,3,7,8,9-HxCDF	ND	1.42	1	0.1	
2,3,4,6,7,8-HxCDF	35.3	1.21	1	0.1	3.53
1,2,3,4,6,7,8-HpCDF	1040	4.15	1	0.01	10.4
1,2,3,4,7,8,9-HpCDF	71.5	5.77	1	0.01	0.715
OCDF	7310	0.451	1	0.0003	2.19
Total TEQ					95.8

2005 WHO TEFs, ND = 0

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-24-110609
Lab Code: R0906411-026
Run Type: Reanalysis

Service Request: R0906411
Date Collected: 11/ 6/09 0845
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 74.0

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.393g
Data File Name: P205021
ICAL Date: 03/16/09

Date Analyzed: 11/17/09 1527
Date Extracted: 11/11/09
Instrument Name: E-HRMS-04
GC Column: DB-225
Blank File Name: P205011
Cal Ver. File Name: P205010

Analyte Name	Result Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	5.03	0.137	1.30	0.73	1.001	1

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	1000	629.767	63		40-135	0.77	1.059
37Cl-2,3,7,8-TCDD	800	529.028	66		40-135	NA	0.988

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-25-110609
Lab Code: R0906411-027

Service Request: R0906411
Date Collected: 11/ 6/09 0909
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 75.3

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.361g
Data File Name: P106075
ICAL Date: 09/11/09

Date Analyzed: 11/17/09 0231
Date Extracted: 11/11/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P106064

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	41.4		0.0966	1.28	0.77	1.001	1
1,2,3,7,8-PeCDD	9.32		0.181	3.20	1.40	1.000	1
1,2,3,4,7,8-HxCDD	18.0		0.980	3.20	1.23	0.998	1
1,2,3,6,7,8-HxCDD	61.1		0.889	3.20	1.29	1.000	1
1,2,3,7,8,9-HxCDD	36.1	K	0.941	3.20	1.48	1.009	1
1,2,3,4,6,7,8-HpCDD	2150	BE	6.53	3.20	1.05	1.000	1
OCDD	27500	BE	1.06	6.41	0.90	1.000	1
2,3,7,8-TCDF	22.6	C	0.140	1.28	0.81	1.001	1
1,2,3,7,8-PeCDF	6.37		0.288	3.20	1.60	1.001	1
2,3,4,7,8-PeCDF	10.5		0.285	3.20	1.58	1.025	1
1,2,3,4,7,8-HxCDF	52.4		1.20	3.20	1.26	1.000	1
1,2,3,6,7,8-HxCDF	25.2		1.15	3.20	1.29	1.004	1
1,2,3,7,8,9-HxCDF	ND	U	1.54	3.20			1
2,3,4,6,7,8-HxCDF	32.4		1.31	3.20	1.30	1.017	1
1,2,3,4,6,7,8-HpCDF	613	B	5.09	3.20	1.06	1.000	1
1,2,3,4,7,8,9-HpCDF	52.4		7.08	3.20	1.04	1.034	1
OCDF	3970	BE	0.428	6.41	0.90	1.004	1
Total Tetra-Dioxins	108		0.0966	1.28	0.76		1
Total Penta-Dioxins	87.9		0.181	3.20	1.58		1
Total Hexa-Dioxins	443		0.889	3.20	1.28		1
Total Hepta-Dioxins	4420		6.53	3.20	1.05		1
Total Tetra-Furans	111		0.140	1.28	0.77		1
Total Penta-Furans	201		0.285	3.20	1.61		1
Total Hexa-Furans	592		1.15	3.20	1.25		1
Total Hepta-Furans	2350		5.09	3.20	1.06		1

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-25-110609
Lab Code: R0906411-027

Service Request: R0906411
Date Collected: 11/ 6/09 0909
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 75.3

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.361g
Data File Name: P106075
ICAL Date: 09/11/09

Date Analyzed: 11/17/09 0231
Date Extracted: 11/11/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P106064

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1000	574.064	57		40-135	0.77	1.009
13C-1,2,3,7,8-PeCDD	1000	591.327	59		40-135	1.61	1.180
13C-1,2,3,6,7,8-HxCDD	2500	1502.626	60		40-135	1.27	0.991
13C-1,2,3,4,6,7,8-HpCDD	2500	1436.142	57		40-135	1.09	1.068
13C-OCDD	5000	2127.300	43		40-135	0.87	1.147
13C-2,3,7,8-TCDF	1000	558.152	56		40-135	0.78	0.980
13C-1,2,3,7,8-PeCDF	1000	540.756	54		40-135	1.58	1.139
13C-1,2,3,4,7,8-HxCDF	2500	1594.496	64		40-135	0.54	0.970
13C-1,2,3,4,6,7,8-HpCDF	2500	1410.361	56		40-135	0.44	1.044
37Cl-2,3,7,8-TCDD	800	516.867	65		40-135	NA	1.011

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-25-110609
Lab Code: R0906411-027

Service Request: R0906411
Date Collected: 11/ 6/09 0909
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	41.4	0.0966	1	1	41.4
1,2,3,7,8-PeCDD	9.32	0.181	1	1	9.32
1,2,3,4,7,8-HxCDD	18.0	0.980	1	0.1	1.80
1,2,3,6,7,8-HxCDD	61.1	0.889	1	0.1	6.11
1,2,3,7,8,9-HxCDD	36.1	0.941	1	0.1	3.61
1,2,3,4,6,7,8-HpCDD	2150	6.53	1	0.01	21.5
OCDD	27500	1.06	1	0.0003	8.25
2,3,7,8-TCDF	8.34	0.0893	1	0.1	0.834
1,2,3,7,8-PeCDF	6.37	0.288	1	0.03	0.191
2,3,4,7,8-PeCDF	10.5	0.285	1	0.3	3.15
1,2,3,4,7,8-HxCDF	52.4	1.20	1	0.1	5.24
1,2,3,6,7,8-HxCDF	25.2	1.15	1	0.1	2.52
1,2,3,7,8,9-HxCDF	ND	1.54	1	0.1	
2,3,4,6,7,8-HxCDF	32.4	1.31	1	0.1	3.24
1,2,3,4,6,7,8-HpCDF	613	5.09	1	0.01	6.13
1,2,3,4,7,8,9-HpCDF	52.4	7.08	1	0.01	0.524
OCDF	3970	0.428	1	0.0003	1.19
Total TEQ					115

2005 WHO TEFs, ND = 0

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-25-110609
Lab Code: R0906411-027
Run Type: Reanalysis

Service Request: R0906411
Date Collected: 11/ 6/09 0909
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 75.3

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.361g
Data File Name: P205032
ICAL Date: 03/16/09

Date Analyzed: 11/17/09 2307
Date Extracted: 11/11/09
Instrument Name: E-HRMS-04
GC Column: DB-225
Blank File Name: P205027
Cal Ver. File Name: P205024

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	8.34		0.0893	1.28	0.83	1.001	1

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	1000	607.125	61		40-135	0.76	1.060
37Cl-2,3,7,8-TCDD	800	561.515	70		40-135	NA	0.986

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-26-110609
Lab Code: R0906411-028

Service Request: R0906411
Date Collected: 11/ 6/09 0942
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 75.1

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 11.886g
Data File Name: P106076
ICAL Date: 09/11/09

Date Analyzed: 11/17/09 0319
Date Extracted: 11/11/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P106064

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	2.46		0.0946	1.12	0.78	1.001	1
1,2,3,7,8-PeCDD	4.46		0.161	2.80	1.57	1.000	1
1,2,3,4,7,8-HxCDD	6.79		0.254	2.80	1.28	0.998	1
1,2,3,6,7,8-HxCDD	29.2		0.231	2.80	1.23	1.000	1
1,2,3,7,8,9-HxCDD	18.3		0.244	2.80	1.30	1.009	1
1,2,3,4,6,7,8-HpCDD	1050	BE	1.76	2.80	1.04	1.000	1
OCDD	11300	BE	1.11	5.60	0.90	1.000	1
2,3,7,8-TCDF	9.38	C	0.342	1.12	0.74	1.001	1
1,2,3,7,8-PeCDF	2.96	K	0.292	2.80	2.19	1.001	1
2,3,4,7,8-PeCDF	3.76		0.289	2.80	1.72	1.025	1
1,2,3,4,7,8-HxCDF	20.8		0.674	2.80	1.27	1.000	1
1,2,3,6,7,8-HxCDF	10.6		0.644	2.80	1.19	1.003	1
1,2,3,7,8,9-HxCDF	ND	U	0.864	2.80			1
2,3,4,6,7,8-HxCDF	12.0		0.737	2.80	1.21	1.017	1
1,2,3,4,6,7,8-HpCDF	297	B	1.64	2.80	1.05	1.000	1
1,2,3,4,7,8,9-HpCDF	17.9		2.27	2.80	0.97	1.035	1
OCDF	1940	BE	0.461	5.60	0.90	1.004	1
Total Tetra-Dioxins	40.6		0.0946	1.12	0.74		1
Total Penta-Dioxins	52.8		0.161	2.80	1.57		1
Total Hexa-Dioxins	247		0.231	2.80	1.22		1
Total Hepta-Dioxins	2250		1.76	2.80	1.05		1
Total Tetra-Furans	55.2		0.342	1.12	0.77		1
Total Penta-Furans	83.3		0.289	2.80	1.61		1
Total Hexa-Furans	262		0.644	2.80	1.30		1
Total Hepta-Furans	1160		1.64	2.80	1.05		1

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-26-110609
Lab Code: R0906411-028

Service Request: R0906411
Date Collected: 11/ 6/09 0942
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 75.1

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 11.886g
Data File Name: P106076
ICAL Date: 09/11/09

Date Analyzed: 11/17/09 0319
Date Extracted: 11/11/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P106064

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1000	636.731	64		40-135	0.78	1.009
13C-1,2,3,7,8-PeCDD	1000	642.611	64		40-135	1.58	1.180
13C-1,2,3,6,7,8-HxCDD	2500	1645.150	66		40-135	1.28	0.991
13C-1,2,3,4,6,7,8-HpCDD	2500	1544.312	62		40-135	1.08	1.068
13C-OCDD	5000	2334.978	47		40-135	0.87	1.147
13C-2,3,7,8-TCDF	1000	616.251	62		40-135	0.75	0.980
13C-1,2,3,7,8-PeCDF	1000	618.516	62		40-135	1.55	1.139
13C-1,2,3,4,7,8-HxCDF	2500	1703.936	68		40-135	0.53	0.970
13C-1,2,3,4,6,7,8-HpCDF	2500	1528.975	61		40-135	0.45	1.044
37Cl-2,3,7,8-TCDD	800	583.264	73		40-135	NA	1.010

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-26-110609
Lab Code: R0906411-028

Service Request: R0906411
Date Collected: 11/ 6/09 0942
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	2.46	0.0946	1	1	2.46
1,2,3,7,8-PeCDD	4.46	0.161	1	1	4.46
1,2,3,4,7,8-HxCDD	6.79	0.254	1	0.1	0.679
1,2,3,6,7,8-HxCDD	29.2	0.231	1	0.1	2.92
1,2,3,7,8,9-HxCDD	18.3	0.244	1	0.1	1.83
1,2,3,4,6,7,8-HpCDD	1050	1.76	1	0.01	10.5
OCDD	11300	1.11	1	0.0003	3.39
2,3,7,8-TCDF	4.07	0.0640	1	0.1	0.407
1,2,3,7,8-PeCDF	2.96	0.292	1	0.03	0.0888
2,3,4,7,8-PeCDF	3.76	0.289	1	0.3	1.13
1,2,3,4,7,8-HxCDF	20.8	0.674	1	0.1	2.08
1,2,3,6,7,8-HxCDF	10.6	0.644	1	0.1	1.06
1,2,3,7,8,9-HxCDF	ND	0.864	1	0.1	
2,3,4,6,7,8-HxCDF	12.0	0.737	1	0.1	1.20
1,2,3,4,6,7,8-HpCDF	297	1.64	1	0.01	2.97
1,2,3,4,7,8,9-HpCDF	17.9	2.27	1	0.01	0.179
OCDF	1940	0.461	1	0.0003	0.582
Total TEQ					35.9

2005 WHO TEFs, ND = 0

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-26-110609
Lab Code: R0906411-028
Run Type: Reanalysis

Service Request: R0906411
Date Collected: 11/ 6/09 0942
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 75.1

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 11.886g
Data File Name: P205033
ICAL Date: 03/16/09

Date Analyzed: 11/17/09 2344
Date Extracted: 11/11/09
Instrument Name: E-HRMS-04
GC Column: DB-225
Blank File Name: P205027
Cal Ver. File Name: P205024

Analyte Name	Result Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	4.07	0.0640	1.12	0.80	1.001	1

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	1000	683.037	68		40-135	0.76	1.060
37Cl-2,3,7,8-TCDD	800	612.122	77		40-135	NA	0.986

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-27-110609
Lab Code: R0906411-029

Service Request: R0906411
Date Collected: 11/ 6/09 1010
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 76.2

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 11.188g
Data File Name: P106085
ICAL Date: 09/11/09

Date Analyzed: 11/17/09 1152
Date Extracted: 11/11/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P106078

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	7.22		0.0980	1.17	0.75	1.001	1
1,2,3,7,8-PeCDD	13.0		0.203	2.93	1.61	1.000	1
1,2,3,4,7,8-HxCDD	25.5		0.543	2.93	1.25	0.999	1
1,2,3,6,7,8-HxCDD	141		0.492	2.93	1.27	1.000	1
1,2,3,7,8,9-HxCDD	72.2		0.521	2.93	1.29	1.009	1
1,2,3,4,6,7,8-HpCDD	3630	BE	3.56	2.93	1.05	1.000	1
OCDD	30400	BE	0.436	5.86	0.90	1.000	1
2,3,7,8-TCDF	24.6	C	0.619	1.17	0.79	1.001	1
1,2,3,7,8-PeCDF	8.98		0.958	2.93	1.51	1.001	1
2,3,4,7,8-PeCDF	11.4		0.948	2.93	1.45	1.025	1
1,2,3,4,7,8-HxCDF	50.9		0.230	2.93	1.25	1.000	1
1,2,3,6,7,8-HxCDF	26.4		0.220	2.93	1.30	1.003	1
1,2,3,7,8,9-HxCDF	ND	U	0.295	2.93			1
2,3,4,6,7,8-HxCDF	34.1		0.252	2.93	1.32	1.017	1
1,2,3,4,6,7,8-HpCDF	736	BE	1.15	2.93	1.05	1.000	1
1,2,3,4,7,8,9-HpCDF	55.5		1.60	2.93	1.03	1.034	1
OCDF	4150	BE	0.211	5.86	0.90	1.004	1
Total Tetra-Dioxins	99.1		0.0980	1.17	0.80		1
Total Penta-Dioxins	145		0.203	2.93	1.50		1
Total Hexa-Dioxins	790		0.492	2.93	1.28		1
Total Hepta-Dioxins	6690		3.56	2.93	1.05		1
Total Tetra-Furans	167		0.619	1.17	0.82		1
Total Penta-Furans	267		0.948	2.93	1.61		1
Total Hexa-Furans	490		0.220	2.93	1.24		1
Total Hepta-Furans	2870		1.15	2.93	1.05		1

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-27-110609
Lab Code: R0906411-029

Service Request: R0906411
Date Collected: 11/ 6/09 1010
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 76.2

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 11.188g
Data File Name: P106085
ICAL Date: 09/11/09

Date Analyzed: 11/17/09 1152
Date Extracted: 11/11/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P106078

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1000	608.720	61		40-135	0.80	1.010
13C-1,2,3,7,8-PeCDD	1000	592.322	59		40-135	1.57	1.180
13C-1,2,3,6,7,8-HxCDD	2500	1434.374	57		40-135	1.27	0.991
13C-1,2,3,4,6,7,8-HpCDD	2500	1427.323	57		40-135	1.07	1.068
13C-OCDD	5000	2302.016	46		40-135	0.90	1.147
13C-2,3,7,8-TCDF	1000	615.238	62		40-135	0.78	0.980
13C-1,2,3,7,8-PeCDF	1000	549.525	55		40-135	1.58	1.140
13C-1,2,3,4,7,8-HxCDF	2500	1548.590	62		40-135	0.53	0.970
13C-1,2,3,4,6,7,8-HpCDF	2500	1391.919	56		40-135	0.44	1.044
37Cl-2,3,7,8-TCDD	800	542.769	68		40-135	NA	1.011

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-27-110609
Lab Code: R0906411-029

Service Request: R0906411
Date Collected: 11/ 6/09 1010
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	7.22	0.0980	1	1	7.22
1,2,3,7,8-PeCDD	13.0	0.203	1	1	13.0
1,2,3,4,7,8-HxCDD	25.5	0.543	1	0.1	2.55
1,2,3,6,7,8-HxCDD	141	0.492	1	0.1	14.1
1,2,3,7,8,9-HxCDD	72.2	0.521	1	0.1	7.22
1,2,3,4,6,7,8-HpCDD	4750	5.02	10	0.01	47.5
OCDD	38000	2.41	10	0.0003	11.4
2,3,7,8-TCDF	9.81	0.0738	1	0.1	0.981
1,2,3,7,8-PeCDF	8.98	0.958	1	0.03	0.269
2,3,4,7,8-PeCDF	11.4	0.948	1	0.3	3.42
1,2,3,4,7,8-HxCDF	50.9	0.230	1	0.1	5.09
1,2,3,6,7,8-HxCDF	26.4	0.220	1	0.1	2.64
1,2,3,7,8,9-HxCDF	ND	0.295	1	0.1	
2,3,4,6,7,8-HxCDF	34.1	0.252	1	0.1	3.41
1,2,3,4,6,7,8-HpCDF	962	6.33	10	0.01	9.62
1,2,3,4,7,8,9-HpCDF	55.5	1.60	1	0.01	0.555
OCDF	5660	1.72	10	0.0003	1.70
Total TEQ					131

2005 WHO TEFs, ND = 0

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-27-110609
Lab Code: R0906411-029
Run Type: Dilution

Service Request: R0906411
Date Collected: 11/ 6/09 1010
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 76.2

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 11.188g
Data File Name: P106296
ICAL Date: 09/11/09

Date Analyzed: 12/2/09 1953
Date Extracted: 11/11/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P106292

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	9.67	J	1.85	11.7	0.82	1.001	10
1,2,3,7,8-PeCDD	20.3	J	1.28	29.3	1.33	1.000	10
1,2,3,4,7,8-HxCDD	38.9		2.33	29.3	1.38	0.998	10
1,2,3,6,7,8-HxCDD	193		2.11	29.3	1.20	1.000	10
1,2,3,7,8,9-HxCDD	106		2.23	29.3	1.37	1.008	10
1,2,3,4,6,7,8-HpCDD	4750	B	5.02	29.3	1.05	1.000	10
OCDD	38000	BE	2.41	58.6	0.90	1.000	10
2,3,7,8-TCDF	31.4	C	2.51	11.7	0.79	1.001	10
1,2,3,7,8-PeCDF	17.1	J	1.82	29.3	1.45	1.000	10
2,3,4,7,8-PeCDF	17.1	J	1.80	29.3	1.37	1.024	10
1,2,3,4,7,8-HxCDF	69.5		1.63	29.3	1.13	1.000	10
1,2,3,6,7,8-HxCDF	32.1		1.56	29.3	1.18	1.003	10
1,2,3,7,8,9-HxCDF	ND	U	2.09	29.3			10
2,3,4,6,7,8-HxCDF	26.9	J	1.78	29.3	1.15	1.017	10
1,2,3,4,6,7,8-HpCDF	962	B	6.33	29.3	1.07	1.000	10
1,2,3,4,7,8,9-HpCDF	91.3		8.80	29.3	0.92	1.033	10
OCDF	5660	B	1.72	58.6	0.90	1.004	10

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-27-110609
Lab Code: R0906411-029
Run Type: Dilution

Service Request: R0906411
Date Collected: 11/ 6/09 1010
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 76.2

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 11.188g
Data File Name: P106296
ICAL Date: 09/11/09

Date Analyzed: 12/2/09 1953
Date Extracted: 11/11/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P106292

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1640	1119.455	68		40-135	0.77	1.009
13C-1,2,3,7,8-PeCDD	1690	1242.713	73		40-135	1.56	1.179
13C-1,2,3,6,7,8-HxCDD	4390	2723.117	62		40-135	1.25	0.992
13C-1,2,3,4,6,7,8-HpCDD	4390	3085.735	70		40-135	1.06	1.068
13C-OCDD	10900	5758.321	53		40-135	0.89	1.146
13C-2,3,7,8-TCDF	1610	1228.199	76		40-135	0.77	0.978
13C-1,2,3,7,8-PeCDF	1820	1320.965	73		40-135	1.58	1.139
13C-1,2,3,4,7,8-HxCDF	4030	2658.168	66		40-135	0.52	0.971
13C-1,2,3,4,6,7,8-HpCDF	4460	3078.259	69		40-135	0.44	1.044
37Cl-2,3,7,8-TCDD	800	75.579	94		40-135	NA	1.009

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-27-110609
Lab Code: R0906411-029
Run Type: Reanalysis

Service Request: R0906411
Date Collected: 11/ 6/09 1010
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 76.2

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 11.188g
Data File Name: P205034
ICAL Date: 03/16/09

Date Analyzed: 11/18/09 0021
Date Extracted: 11/11/09
Instrument Name: E-HRMS-04
GC Column: DB-225
Blank File Name: P205027
Cal Ver. File Name: P205024

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	9.81		0.0738	1.17	0.78	1.001	1

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	1000	638.989	64		40-135	0.76	1.060
37Cl-2,3,7,8-TCDD	800	547.038	68		40-135	NA	0.986

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-28-110609
Lab Code: R0906411-030

Service Request: R0906411
Date Collected: 11/ 6/09 1040
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 76.5

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 11.106g
Data File Name: P106086
ICAL Date: 09/11/09

Date Analyzed: 11/17/09 1240
Date Extracted: 11/11/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P106078

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	7.80		0.0976	1.18	0.76	1.001	1
1,2,3,7,8-PeCDD	9.89		0.142	2.94	1.56	1.000	1
1,2,3,4,7,8-HxCDD	21.1		0.432	2.94	1.22	0.999	1
1,2,3,6,7,8-HxCDD	107		0.392	2.94	1.26	1.000	1
1,2,3,7,8,9-HxCDD	60.3		0.415	2.94	1.25	1.009	1
1,2,3,4,6,7,8-HpCDD	3790	BE	6.82	2.94	1.05	1.000	1
OCDD	39600	BE	0.785	5.89	0.90	1.000	1
2,3,7,8-TCDF	25.9	C	0.154	1.18	0.77	1.001	1
1,2,3,7,8-PeCDF	5.19	K	0.624	2.94	1.89	1.000	1
2,3,4,7,8-PeCDF	10.3		0.617	2.94	1.72	1.025	1
1,2,3,4,7,8-HxCDF	47.2		0.138	2.94	1.25	1.000	1
1,2,3,6,7,8-HxCDF	20.2		0.132	2.94	1.28	1.003	1
1,2,3,7,8,9-HxCDF	ND	U	0.177	2.94			1
2,3,4,6,7,8-HxCDF	26.1		0.151	2.94	1.24	1.017	1
1,2,3,4,6,7,8-HpCDF	1040	BE	2.25	2.94	1.04	1.000	1
1,2,3,4,7,8,9-HpCDF	62.1		3.13	2.94	1.02	1.034	1
OCDF	9340	BE	0.245	5.89	0.91	1.004	1
Total Tetra-Dioxins	590		0.0976	1.18	0.79		1
Total Penta-Dioxins	113		0.142	2.94	1.50		1
Total Hexa-Dioxins	639		0.392	2.94	1.25		1
Total Hepta-Dioxins	7240		6.82	2.94	1.05		1
Total Tetra-Furans	189		0.154	1.18	0.81		1
Total Penta-Furans	226		0.617	2.94	1.60		1
Total Hexa-Furans	776		0.132	2.94	1.25		1
Total Hepta-Furans	4500		2.25	2.94	1.04		1

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Saugnet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-28-110609
Lab Code: R0906411-030

Service Request: R0906411
Date Collected: 11/ 6/09 1040
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 76.5

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 11.106g
Data File Name: P106086
ICAL Date: 09/11/09

Date Analyzed: 11/17/09 1240
Date Extracted: 11/11/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P106078

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1000	736.219	74		40-135	0.78	1.010
13C-1,2,3,7,8-PeCDD	1000	746.839	75		40-135	1.58	1.180
13C-1,2,3,6,7,8-HxCDD	2500	1876.331	75		40-135	1.27	0.991
13C-1,2,3,4,6,7,8-HpCDD	2500	1788.105	72		40-135	1.07	1.068
13C-OCDD	5000	2472.554	49		40-135	0.89	1.147
13C-2,3,7,8-TCDF	1000	741.795	74		40-135	0.77	0.979
13C-1,2,3,7,8-PeCDF	1000	714.055	71		40-135	1.59	1.140
13C-1,2,3,4,7,8-HxCDF	2500	1966.564	79		40-135	0.53	0.970
13C-1,2,3,4,6,7,8-HpCDF	2500	1784.129	71		40-135	0.44	1.044
37Cl-2,3,7,8-TCDD	800	708.490	89		40-135	NA	1.011

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-28-110609
Lab Code: R0906411-030

Service Request: R0906411
Date Collected: 11/ 6/09 1040
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	7.80	0.0976	1	1	7.80
1,2,3,7,8-PeCDD	9.89	0.142	1	1	9.89
1,2,3,4,7,8-HxCDD	21.1	0.432	1	0.1	2.11
1,2,3,6,7,8-HxCDD	107	0.392	1	0.1	10.7
1,2,3,7,8,9-HxCDD	60.3	0.415	1	0.1	6.03
1,2,3,4,6,7,8-HpCDD	7190	6.02	10	0.01	71.9
OCDD	87400	2.61	10	0.0003	26.2
2,3,7,8-TCDF	6.23	0.103	1	0.1	0.623
1,2,3,7,8-PeCDF	5.19	0.624	1	0.03	0.156
2,3,4,7,8-PeCDF	10.3	0.617	1	0.3	3.09
1,2,3,4,7,8-HxCDF	47.2	0.138	1	0.1	4.72
1,2,3,6,7,8-HxCDF	20.2	0.132	1	0.1	2.02
1,2,3,7,8,9-HxCDF	ND	0.177	1	0.1	
2,3,4,6,7,8-HxCDF	26.1	0.151	1	0.1	2.61
1,2,3,4,6,7,8-HpCDF	1950	5.62	10	0.01	19.5
1,2,3,4,7,8,9-HpCDF	62.1	3.13	1	0.01	0.621
OCDF	18500	2.38	10	0.0003	5.55
Total TEQ					174

2005 WHO TEFs, ND = 0

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-28-110609
Lab Code: R0906411-030
Run Type: Dilution

Service Request: R0906411
Date Collected: 11/ 6/09 1040
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 76.5

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 11.106g
Data File Name: P106297
ICAL Date: 09/11/09

Date Analyzed: 12/2/09 2041
Date Extracted: 11/11/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P106292

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	10.8	JK	1.39	11.8	1.09	1.001	10
1,2,3,7,8-PeCDD	20.6	J	1.89	29.4	1.73	1.000	10
1,2,3,4,7,8-HxCDD	43.0		2.50	29.4	1.19	0.998	10
1,2,3,6,7,8-HxCDD	208		2.27	29.4	1.26	1.000	10
1,2,3,7,8,9-HxCDD	122		2.40	29.4	1.21	1.008	10
1,2,3,4,6,7,8-HpCDD	7190	B	6.02	29.4	1.05	1.000	10
OCDD	87400	BE	2.61	58.9	0.90	1.000	10
2,3,7,8-TCDF	44.4	C	1.67	11.8	0.76	1.002	10
1,2,3,7,8-PeCDF	13.7	J	2.34	29.4	1.70	1.000	10
2,3,4,7,8-PeCDF	21.0	J	2.31	29.4	1.77	1.024	10
1,2,3,4,7,8-HxCDF	89.7		4.77	29.4	1.26	1.000	10
1,2,3,6,7,8-HxCDF	34.7		4.56	29.4	1.21	1.003	10
1,2,3,7,8,9-HxCDF	ND	U	6.11	29.4			10
2,3,4,6,7,8-HxCDF	26.2	J	5.21	29.4	1.13	1.017	10
1,2,3,4,6,7,8-HpCDF	1950	B	5.62	29.4	1.04	1.000	10
1,2,3,4,7,8,9-HpCDF	145		7.82	29.4	1.05	1.033	10
OCDF	18500	B	2.38	58.9	0.89	1.004	10

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-28-110609
Lab Code: R0906411-030
Run Type: Dilution

Service Request: R0906411
Date Collected: 11/ 6/09 1040
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 76.5

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 11.106g
Data File Name: P106297
ICAL Date: 09/11/09

Date Analyzed: 12/2/09 2041
Date Extracted: 11/11/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P106292

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1350	1031.190	76		40-135	0.79	1.009
13C-1,2,3,7,8-PeCDD	1330	1116.403	84		40-135	1.59	1.179
13C-1,2,3,6,7,8-HxCDD	3330	2525.657	76		40-135	1.27	0.992
13C-1,2,3,4,6,7,8-HpCDD	3470	2899.136	83		40-135	1.06	1.068
13C-OCDD	10200	5540.938	54		40-135	0.89	1.146
13C-2,3,7,8-TCDF	1350	1124.408	83		40-135	0.77	0.978
13C-1,2,3,7,8-PeCDF	1410	1194.451	85		40-135	1.56	1.140
13C-1,2,3,4,7,8-HxCDF	3160	2493.609	79		40-135	0.53	0.970
13C-1,2,3,4,6,7,8-HpCDF	3520	2855.269	81		40-135	0.44	1.044
37Cl-2,3,7,8-TCDD	800	131.594	164	Y	40-135	NA	1.010

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-28-110609
Lab Code: R0906411-030
Run Type: Reanalysis

Service Request: R0906411
Date Collected: 11/ 6/09 1040
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 76.5

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 11.106g
Data File Name: P205035
ICAL Date: 03/16/09

Date Analyzed: 11/18/09 0057
Date Extracted: 11/11/09
Instrument Name: E-HRMS-04
GC Column: DB-225
Blank File Name: P205027
Cal Ver. File Name: P205024

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	6.23		0.103	1.18	0.78	1.001	1

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	1000	779.650	78		40-135	0.76	1.059
37Cl-2,3,7,8-TCDD	800	722.132	90		40-135	NA	0.986

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-29-110609
Lab Code: R0906411-031

Service Request: R0906411
Date Collected: 11/ 6/09 1117
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 72.1

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 11.824g
Data File Name: P106087
ICAL Date: 09/11/09

Date Analyzed: 11/17/09 1327
Date Extracted: 11/11/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P106078

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	9.29		0.105	1.17	0.79	1.000	1
1,2,3,7,8-PeCDD	21.0		0.207	2.93	1.66	1.000	1
1,2,3,4,7,8-HxCDD	43.0		0.432	2.93	1.28	0.999	1
1,2,3,6,7,8-HxCDD	347		0.392	2.93	1.26	1.000	1
1,2,3,7,8,9-HxCDD	121		0.415	2.93	1.29	1.009	1
1,2,3,4,6,7,8-HpCDD	13100	BE	17.6	2.93	1.05	1.000	1
OCDD	424000	BE	3.96	5.87	0.96	1.000	1
2,3,7,8-TCDF	31.1	C	0.261	1.17	0.77	1.001	1
1,2,3,7,8-PeCDF	10.0		0.807	2.93	1.65	1.001	1
2,3,4,7,8-PeCDF	17.4		0.798	2.93	1.62	1.025	1
1,2,3,4,7,8-HxCDF	106		0.199	2.93	1.26	1.000	1
1,2,3,6,7,8-HxCDF	41.4		0.190	2.93	1.34	1.003	1
1,2,3,7,8,9-HxCDF	ND	U	0.254	2.93			1
2,3,4,6,7,8-HxCDF	56.6		0.217	2.93	1.27	1.017	1
1,2,3,4,6,7,8-HpCDF	3480	BE	7.29	2.93	1.06	1.000	1
1,2,3,4,7,8,9-HpCDF	270		10.2	2.93	1.06	1.034	1
OCDF	70200	BE	0.995	5.87	0.91	1.004	1
Total Tetra-Dioxins	306		0.105	1.17	0.80		1
Total Penta-Dioxins	180		0.207	2.93	1.57		1
Total Hexa-Dioxins	1830		0.392	2.93	1.25		1
Total Hepta-Dioxins	24900		17.6	2.93	1.05		1
Total Tetra-Furans	182		0.261	1.17	0.84		1
Total Penta-Furans	411		0.798	2.93	1.60		1
Total Hexa-Furans	992		0.190	2.93	1.28		1
Total Hepta-Furans	19400		7.29	2.93	1.06		1

Comments: _____

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-29-110609
Lab Code: R0906411-031

Service Request: R0906411
Date Collected: 11/ 6/09 1117
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 72.1

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 11.824g
Data File Name: P106087
ICAL Date: 09/11/09

Date Analyzed: 11/17/09 1327
Date Extracted: 11/11/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P106078

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1000	713.608	71		40-135	0.80	1.010
13C-1,2,3,7,8-PeCDD	1000	702.727	70		40-135	1.55	1.180
13C-1,2,3,6,7,8-HxCDD	2500	1575.001	63		40-135	1.26	0.991
13C-1,2,3,4,6,7,8-HpCDD	2500	1245.532	50		40-135	1.05	1.068
13C-OCDD	5000	1002.458	20	Y	40-135	0.95	1.148
13C-2,3,7,8-TCDF	1000	742.902	74		40-135	0.79	0.979
13C-1,2,3,7,8-PeCDF	1000	685.746	69		40-135	1.62	1.140
13C-1,2,3,4,7,8-HxCDF	2500	1703.458	68		40-135	0.52	0.971
13C-1,2,3,4,6,7,8-HpCDF	2500	1406.950	56		40-135	0.44	1.044
37Cl-2,3,7,8-TCDD	800	665.021	83		40-135	NA	1.010

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-29-110609
Lab Code: R0906411-031

Service Request: R0906411
Date Collected: 11/ 6/09 1117
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	9.29	0.105	1	1	9.29
1,2,3,7,8-PeCDD	21.0	0.207	1	1	21.0
1,2,3,4,7,8-HxCDD	43.0	0.432	1	0.1	4.30
1,2,3,6,7,8-HxCDD	347	0.392	1	0.1	34.7
1,2,3,7,8,9-HxCDD	121	0.415	1	0.1	12.1
1,2,3,4,6,7,8-HpCDD	19600	633	1000	0.01	196
OCDD	1120000	651	1000	0.0003	336
2,3,7,8-TCDF	11.3	0.0939	1	0.1	1.13
1,2,3,7,8-PeCDF	10.0	0.807	1	0.03	0.300
2,3,4,7,8-PeCDF	17.4	0.798	1	0.3	5.22
1,2,3,4,7,8-HxCDF	106	0.199	1	0.1	10.6
1,2,3,6,7,8-HxCDF	41.4	0.190	1	0.1	4.14
1,2,3,7,8,9-HxCDF	ND	0.254	1	0.1	
2,3,4,6,7,8-HxCDF	56.6	0.217	1	0.1	5.66
1,2,3,4,6,7,8-HpCDF	4230	189	1000	0.01	42.3
1,2,3,4,7,8,9-HpCDF	270	10.2	1	0.01	2.70
OCDF	83600	869	1000	0.0003	25.1
Total TEQ					711

2005 WHO TEFs, ND = 0

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-29-110609
Lab Code: R0906411-031
Run Type: Dilution

Service Request: R0906411
Date Collected: 11/ 6/09 1117
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 72.1

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 11.824g
Data File Name: P106298
ICAL Date: 09/11/09

Date Analyzed: 12/2/09 2128
Date Extracted: 11/11/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P106292

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	ND	U	205	1170			1000
1,2,3,7,8-PeCDD	ND	U	128	2930			1000
1,2,3,4,7,8-HxCDD	ND	U	171	2930			1000
1,2,3,6,7,8-HxCDD	ND	U	155	2930			1000
1,2,3,7,8,9-HxCDD	ND	U	164	2930			1000
1,2,3,4,6,7,8-HpCDD	19600	B	633	2930	1.08	1.000	1000
OCDD	1120000	B	651	5870	0.89	1.000	1000
2,3,7,8-TCDF	ND	U	152	1170			1000
1,2,3,7,8-PeCDF	ND	U	149	2930			1000
2,3,4,7,8-PeCDF	ND	U	148	2930			1000
1,2,3,4,7,8-HxCDF	ND	U	191	2930			1000
1,2,3,6,7,8-HxCDF	ND	U	183	2930			1000
1,2,3,7,8,9-HxCDF	ND	U	245	2930			1000
2,3,4,6,7,8-HxCDF	ND	U	209	2930			1000
1,2,3,4,6,7,8-HpCDF	4230	B	189	2930	1.03	1.000	1000
1,2,3,4,7,8,9-HpCDF	ND	U	263	2930			1000
OCDF	83600	B	869	5870	0.84	1.004	1000

Comments: _____

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-29-110609
Lab Code: R0906411-031
Run Type: Dilution

Service Request: R0906411
Date Collected: 11/ 6/09 1117
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 72.1

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 11.824g
Data File Name: P106298
ICAL Date: 09/11/09

Date Analyzed: 12/2/09 2128
Date Extracted: 11/11/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P106292

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1410	1090.014	77		40-135	0.74	1.009
13C-1,2,3,7,8-PeCDD	1430	1170.652	82		40-135	1.57	1.180
13C-1,2,3,6,7,8-HxCDD	3970	2616.845	66		40-135	1.23	0.992
13C-1,2,3,4,6,7,8-HpCDD	5000	3210.097	64		40-135	1.08	1.068
13C-OCDD	25000	5779.450	23	Y	40-135	0.88	1.147
13C-2,3,7,8-TCDF	1350	1178.548	87		40-135	0.75	0.978
13C-1,2,3,7,8-PeCDF	1450	1243.972	86		40-135	1.57	1.140
13C-1,2,3,4,7,8-HxCDF	3680	2655.664	72		40-135	0.51	0.971
13C-1,2,3,4,6,7,8-HpCDF	4460	3268.125	73		40-135	0.44	1.044
37Cl-2,3,7,8-TCDD	800	1.366	171	Y	40-135	NA	1.011

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-29-110609
Lab Code: R0906411-031
Run Type: Reanalysis

Service Request: R0906411
Date Collected: 11/ 6/09 1117
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 72.1

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 11.824g
Data File Name: P205036
ICAL Date: 03/16/09

Date Analyzed: 11/18/09 0134
Date Extracted: 11/11/09
Instrument Name: E-HRMS-04
GC Column: DB-225
Blank File Name: P205027
Cal Ver. File Name: P205024

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	11.3		0.0939	1.17	0.76	1.001	1

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	1000	757.199	76		40-135	0.75	1.059
37Cl-2,3,7,8-TCDD	800	672.837	84		40-135	NA	0.986

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-30-110609
Lab Code: R0906411-032

Service Request: R0906411
Date Collected: 11/ 6/09 1145
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 76.7

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.373g
Data File Name: P106088
ICAL Date: 09/11/09

Date Analyzed: 11/17/09 1415
Date Extracted: 11/11/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P106078

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	6.80		0.163	1.26	0.73	1.001	1
1,2,3,7,8-PeCDD	15.7		0.230	3.14	1.52	1.000	1
1,2,3,4,7,8-HxCDD	27.2		1.27	3.14	1.28	0.998	1
1,2,3,6,7,8-HxCDD	149		1.16	3.14	1.25	1.000	1
1,2,3,7,8,9-HxCDD	81.1		1.22	3.14	1.25	1.009	1
1,2,3,4,6,7,8-HpCDD	5270	BE	5.39	3.14	1.05	1.000	1
OCDD	51700	BE	3.63	6.28	0.90	1.000	1
2,3,7,8-TCDF	32.8	C	0.194	1.26	0.76	1.001	1
1,2,3,7,8-PeCDF	7.78		1.22	3.14	1.73	1.001	1
2,3,4,7,8-PeCDF	13.7		1.21	3.14	1.68	1.025	1
1,2,3,4,7,8-HxCDF	66.8		0.326	3.14	1.25	1.000	1
1,2,3,6,7,8-HxCDF	31.1		0.312	3.14	1.24	1.003	1
1,2,3,7,8,9-HxCDF	ND	U	0.351	3.14			1
2,3,4,6,7,8-HxCDF	37.7		0.357	3.14	1.28	1.017	1
1,2,3,4,6,7,8-HpCDF	1310	BE	6.82	3.14	1.04	1.000	1
1,2,3,4,7,8,9-HpCDF	94.5		9.48	3.14	1.07	1.034	1
OCDF	12000	BE	0.517	6.28	0.90	1.004	1
Total Tetra-Dioxins	115		0.163	1.26	0.77		1
Total Penta-Dioxins	158		0.230	3.14	1.58		1
Total Hexa-Dioxins	988		1.16	3.14	1.27		1
Total Hepta-Dioxins	10200		5.39	3.14	1.05		1
Total Tetra-Furans	192		0.194	1.26	0.83		1
Total Penta-Furans	309		1.21	3.14	1.60		1
Total Hexa-Furans	575		0.312	3.14	1.28		1
Total Hepta-Furans	5910		6.82	3.14	1.04		1

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-30-110609
Lab Code: R0906411-032

Service Request: R0906411
Date Collected: 11/ 6/09 1145
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 76.7

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.373g
Data File Name: P106088
ICAL Date: 09/11/09

Date Analyzed: 11/17/09 1415
Date Extracted: 11/11/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P106078

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1000	655.561	66		40-135	0.79	1.009
13C-1,2,3,7,8-PeCDD	1000	629.697	63		40-135	1.54	1.179
13C-1,2,3,6,7,8-HxCDD	2500	1569.998	63		40-135	1.26	0.991
13C-1,2,3,4,6,7,8-HpCDD	2500	1511.288	60		40-135	1.06	1.068
13C-OCDD	5000	2197.991	44		40-135	0.90	1.147
13C-2,3,7,8-TCDF	1000	699.337	70		40-135	0.80	0.979
13C-1,2,3,7,8-PeCDF	1000	613.169	61		40-135	1.59	1.139
13C-1,2,3,4,7,8-HxCDF	2500	1702.144	68		40-135	0.52	0.970
13C-1,2,3,4,6,7,8-HpCDF	2500	1510.204	60		40-135	0.44	1.044
37Cl-2,3,7,8-TCDD	800	603.783	75		40-135	NA	1.011

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-30-110609
Lab Code: R0906411-032

Service Request: R0906411
Date Collected: 11/ 6/09 1145
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	6.80	0.163	1	1	6.80
1,2,3,7,8-PeCDD	15.7	0.230	1	1	15.7
1,2,3,4,7,8-HxCDD	27.2	1.27	1	0.1	2.72
1,2,3,6,7,8-HxCDD	149	1.16	1	0.1	14.9
1,2,3,7,8,9-HxCDD	81.1	1.22	1	0.1	8.11
1,2,3,4,6,7,8-HpCDD	5740	13.2	20	0.01	57.4
OCDD	62300	5.84	20	0.0003	18.7
2,3,7,8-TCDF	11.3	0.129	1	0.1	1.13
1,2,3,7,8-PeCDF	7.78	1.22	1	0.03	0.233
2,3,4,7,8-PeCDF	13.7	1.21	1	0.3	4.11
1,2,3,4,7,8-HxCDF	66.8	0.326	1	0.1	6.68
1,2,3,6,7,8-HxCDF	31.1	0.312	1	0.1	3.11
1,2,3,7,8,9-HxCDF	ND	0.351	1	0.1	
2,3,4,6,7,8-HxCDF	37.7	0.357	1	0.1	3.77
1,2,3,4,6,7,8-HpCDF	1290	5.90	20	0.01	12.9
1,2,3,4,7,8,9-HpCDF	94.5	9.48	1	0.01	0.945
OCDF	12500	6.31	20	0.0003	3.75
Total TEQ					161

2005 WHO TEFs, ND = 0

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-30-110609
Lab Code: R0906411-032
Run Type: Dilution

Service Request: R0906411
Date Collected: 11/ 6/09 1145
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 76.7

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.373g
Data File Name: P106299
ICAL Date: 09/11/09

Date Analyzed: 12/2/09 2216
Date Extracted: 11/11/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P106292

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	ND	U	4.65	25.1			20
1,2,3,7,8-PeCDD	18.6	J	3.67	62.8	1.63	1.000	20
1,2,3,4,7,8-HxCDD	37.1	J	4.12	62.8	1.09	0.998	20
1,2,3,6,7,8-HxCDD	161		3.74	62.8	1.25	1.000	20
1,2,3,7,8,9-HxCDD	95.0		3.96	62.8	1.33	1.008	20
1,2,3,4,6,7,8-HpCDD	5740	B	13.2	62.8	1.06	1.000	20
OCDD	62300	BE	5.84	126	0.90	1.000	20
2,3,7,8-TCDF	30.4	C	4.54	25.1	0.86	1.001	20
1,2,3,7,8-PeCDF	ND	U	4.83	62.8			20
2,3,4,7,8-PeCDF	ND	U	4.79	62.8			20
1,2,3,4,7,8-HxCDF	67.4		4.19	62.8	1.39	1.000	20
1,2,3,6,7,8-HxCDF	26.6	J	4.01	62.8	1.18	1.003	20
1,2,3,7,8,9-HxCDF	ND	U	5.37	62.8			20
2,3,4,6,7,8-HxCDF	23.7	JK	4.59	62.8	0.97	1.017	20
1,2,3,4,6,7,8-HpCDF	1290	B	5.90	62.8	1.05	1.000	20
1,2,3,4,7,8,9-HpCDF	117		8.20	62.8	1.08	1.033	20
OCDF	12500	B	6.31	126	0.89	1.004	20

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-30-110609
Lab Code: R0906411-032
Run Type: Dilution

Service Request: R0906411
Date Collected: 11/ 6/09 1145
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 76.7

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.373g
Data File Name: P106299
ICAL Date: 09/11/09

Date Analyzed: 12/2/09 2216
Date Extracted: 11/11/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P106292

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1520	1059.588	70		40-135	0.78	1.009
13C-1,2,3,7,8-PeCDD	1590	1085.607	68		40-135	1.60	1.179
13C-1,2,3,6,7,8-HxCDD	3970	2553.201	64		40-135	1.25	0.992
13C-1,2,3,4,6,7,8-HpCDD	4170	3001.420	72		40-135	1.09	1.068
13C-OCDD	11400	5837.365	51		40-135	0.89	1.146
13C-2,3,7,8-TCDF	1430	1135.221	79		40-135	0.76	0.978
13C-1,2,3,7,8-PeCDF	1640	1135.935	69		40-135	1.53	1.140
13C-1,2,3,4,7,8-HxCDF	3680	2512.709	68		40-135	0.52	0.970
13C-1,2,3,4,6,7,8-HpCDF	4170	3068.897	74		40-135	0.44	1.044
37Cl-2,3,7,8-TCDD	800	28.283	71		40-135	NA	1.010

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-30-110609
Lab Code: R0906411-032
Run Type: Reanalysis

Service Request: R0906411
Date Collected: 11/ 6/09 1145
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 76.7

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.373g
Data File Name: P205037
ICAL Date: 03/16/09

Date Analyzed: 11/18/09 0211
Date Extracted: 11/11/09
Instrument Name: E-HRMS-04
GC Column: DB-225
Blank File Name: P205027
Cal Ver. File Name: P205024

Analyte Name	Result Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	11.3	0.129	1.26	0.75	1.001	1

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	1000	703.121	70		40-135	0.75	1.059
37Cl-2,3,7,8-TCDD	800	618.231	77		40-135	NA	0.986

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-31-110609
Lab Code: R0906411-033

Service Request: R0906411
Date Collected: 11/ 6/09 1308
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 75.5

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.194g
Data File Name: P106089
ICAL Date: 09/11/09

Date Analyzed: 11/17/09 1503
Date Extracted: 11/11/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P106078

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	41.4		0.110	1.30	0.74	1.001	1
1,2,3,7,8-PeCDD	79.4		0.224	3.25	1.59	1.000	1
1,2,3,4,7,8-HxCDD	174		2.40	3.25	1.25	0.999	1
1,2,3,6,7,8-HxCDD	762	E	2.18	3.25	1.25	1.000	1
1,2,3,7,8,9-HxCDD	385		2.31	3.25	1.31	1.009	1
1,2,3,4,6,7,8-HpCDD	27900	BE	36.4	3.25	1.05	1.000	1
OCDD	232000	BE	3.95	6.50	0.96	1.000	1
2,3,7,8-TCDF	114	C	0.829	1.30	0.78	1.001	1
1,2,3,7,8-PeCDF	38.7		2.29	3.25	1.55	1.000	1
2,3,4,7,8-PeCDF	63.5		2.26	3.25	1.51	1.024	1
1,2,3,4,7,8-HxCDF	367		0.226	3.25	1.25	1.000	1
1,2,3,6,7,8-HxCDF	155		0.216	3.25	1.27	1.003	1
1,2,3,7,8,9-HxCDF	ND	U	0.289	3.25			1
2,3,4,6,7,8-HxCDF	206		0.247	3.25	1.20	1.017	1
1,2,3,4,6,7,8-HpCDF	8340	BE	7.95	3.25	1.04	1.000	1
1,2,3,4,7,8,9-HpCDF	573		11.1	3.25	1.05	1.033	1
OCDF	92300	BE	0.860	6.50	0.90	1.004	1
Total Tetra-Dioxins	524		0.110	1.30	0.79		1
Total Penta-Dioxins	759		0.224	3.25	1.37		1
Total Hexa-Dioxins	5090		2.18	3.25	1.26		1
Total Hepta-Dioxins	55200		36.4	3.25	1.05		1
Total Tetra-Furans	747		0.829	1.30	0.76		1
Total Penta-Furans	1420		2.26	3.25	1.57		1
Total Hexa-Furans	3460		0.216	3.25	1.25		1
Total Hepta-Furans	37900		7.95	3.25	1.04		1

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-31-110609
Lab Code: R0906411-033

Service Request: R0906411
Date Collected: 11/ 6/09 1308
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 75.5

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.194g
Data File Name: P106089
ICAL Date: 09/11/09

Date Analyzed: 11/17/09 1503
Date Extracted: 11/11/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P106078

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1000	759.400	76		40-135	0.76	1.009
13C-1,2,3,7,8-PeCDD	1000	765.098	77		40-135	1.55	1.179
13C-1,2,3,6,7,8-HxCDD	2500	1705.994	68		40-135	1.27	0.991
13C-1,2,3,4,6,7,8-HpCDD	2500	1517.807	61		40-135	1.06	1.068
13C-OCDD	5000	1758.565	35	Y	40-135	0.92	1.149
13C-2,3,7,8-TCDF	1000	776.677	78		40-135	0.78	0.978
13C-1,2,3,7,8-PeCDF	1000	731.542	73		40-135	1.60	1.139
13C-1,2,3,4,7,8-HxCDF	2500	1830.062	73		40-135	0.52	0.971
13C-1,2,3,4,6,7,8-HpCDF	2500	1554.710	62		40-135	0.45	1.045
37Cl-2,3,7,8-TCDD	800	698.098	87		40-135	NA	1.010

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-31-110609
Lab Code: R0906411-033

Service Request: R0906411
Date Collected: 11/ 6/09 1308
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	41.4	0.110	1	1	41.4
1,2,3,7,8-PeCDD	79.4	0.224	1	1	79.4
1,2,3,4,7,8-HxCDD	174	2.40	1	0.1	17.4
1,2,3,6,7,8-HxCDD	526	91.3	500	0.1	52.6
1,2,3,7,8,9-HxCDD	385	2.31	1	0.1	38.5
1,2,3,4,6,7,8-HpCDD	18700	245	500	0.01	187
OCDD	255000	285	500	0.0003	76.5
2,3,7,8-TCDF	41.0	0.256	1	0.1	4.10
1,2,3,7,8-PeCDF	38.7	2.29	1	0.03	1.16
2,3,4,7,8-PeCDF	63.5	2.26	1	0.3	19.1
1,2,3,4,7,8-HxCDF	367	0.226	1	0.1	36.7
1,2,3,6,7,8-HxCDF	155	0.216	1	0.1	15.5
1,2,3,7,8,9-HxCDF	ND	0.289	1	0.1	
2,3,4,6,7,8-HxCDF	206	0.247	1	0.1	20.6
1,2,3,4,6,7,8-HpCDF	5450	155	500	0.01	54.5
1,2,3,4,7,8,9-HpCDF	573	11.1	1	0.01	5.73
OCDF	57800	377	500	0.0003	17.3
Total TEQ					667

2005 WHO TEFs, ND = 0

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-31-110609
Lab Code: R0906411-033
Run Type: Dilution

Service Request: R0906411
Date Collected: 11/ 6/09 1308
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 75.5

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.194g
Data File Name: P106300
ICAL Date: 09/11/09

Date Analyzed: 12/2/09 2304
Date Extracted: 11/11/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P106292

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	ND	U	141	650			500
1,2,3,7,8-PeCDD	ND	U	88.8	1620			500
1,2,3,4,7,8-HxCDD	ND	U	101	1620			500
1,2,3,6,7,8-HxCDD	526	J	91.3	1620	1.25	1.000	500
1,2,3,7,8,9-HxCDD	378	JK	96.6	1620	1.04	1.008	500
1,2,3,4,6,7,8-HpCDD	18700	B	245	1620	1.00	1.000	500
OCDD	255000	B	285	3250	0.88	1.000	500
2,3,7,8-TCDF	ND	U	127	650			500
1,2,3,7,8-PeCDF	ND	U	96.4	1620			500
2,3,4,7,8-PeCDF	ND	U	95.5	1620			500
1,2,3,4,7,8-HxCDF	ND	U	119	1620			500
1,2,3,6,7,8-HxCDF	ND	U	113	1620			500
1,2,3,7,8,9-HxCDF	ND	U	152	1620			500
2,3,4,6,7,8-HxCDF	ND	U	130	1620			500
1,2,3,4,6,7,8-HpCDF	5450	B	155	1620	1.14	1.000	500
1,2,3,4,7,8,9-HpCDF	ND	U	216	1620			500
OCDF	57800	B	377	3250	0.91	1.004	500

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-31-110609
Lab Code: R0906411-033
Run Type: Dilution

Service Request: R0906411
Date Collected: 11/ 6/09 1308
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 75.5

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.194g
Data File Name: P106300
ICAL Date: 09/11/09

Date Analyzed: 12/2/09 2304
Date Extracted: 11/11/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P106292

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1320	1056.989	80		40-135	0.78	1.009
13C-1,2,3,7,8-PeCDD	1300	1061.524	82		40-135	1.59	1.180
13C-1,2,3,6,7,8-HxCDD	3680	2693.254	73		40-135	1.29	0.992
13C-1,2,3,4,6,7,8-HpCDD	4100	3079.937	75		40-135	1.06	1.068
13C-OCDD	14300	5487.731	38	Y	40-135	0.88	1.146
13C-2,3,7,8-TCDF	1280	1125.550	88		40-135	0.77	0.978
13C-1,2,3,7,8-PeCDF	1370	1167.324	85		40-135	1.58	1.140
13C-1,2,3,4,7,8-HxCDF	3420	2850.027	83		40-135	0.52	0.970
13C-1,2,3,4,6,7,8-HpCDF	4030	3278.754	81		40-135	0.43	1.044
37Cl-2,3,7,8-TCDD	800	1.154	72		40-135	NA	1.011

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-31-110609
Lab Code: R0906411-033
Run Type: Reanalysis

Service Request: R0906411
Date Collected: 11/ 6/09 1308
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 75.5

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.194g
Data File Name: P205038
ICAL Date: 03/16/09

Date Analyzed: 11/18/09 0248
Date Extracted: 11/11/09
Instrument Name: E-HRMS-04
GC Column: DB-225
Blank File Name: P205027
Cal Ver. File Name: P205024

Analyte Name	Result Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	41.0	0.256	1.30	0.78	1.001	1

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	1000	822.218	82		40-135	0.76	1.059
37Cl-2,3,7,8-TCDD	800	736.727	92		40-135	NA	0.986

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-32-110609
Lab Code: R0906411-034

Service Request: R0906411
Date Collected: 11/ 6/09 1335
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 79.7

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.020g
Data File Name: U133882
ICAL Date: 07/31/09

Date Analyzed: 11/18/09 2147
Date Extracted: 11/12/09
Instrument Name: E-HRMS-01
GC Column: DB-5
Blank File Name: P106111
Cal Ver. File Name: U133878

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	28.1		0.0299	1.25	0.77	1.001	1
1,2,3,7,8-PeCDD	55.4		0.159	3.13	1.59	1.000	1
1,2,3,4,7,8-HxCDD	96.6		0.516	3.13	1.18	0.998	1
1,2,3,6,7,8-HxCDD	451		0.459	3.13	1.17	1.000	1
1,2,3,7,8,9-HxCDD	302		0.484	3.13	1.17	1.008	1
1,2,3,4,6,7,8-HpCDD	14100	E	9.98	3.13	0.99	1.000	1
OCDD	103000	BE	0.275	6.26	0.97	1.000	1
2,3,7,8-TCDF	53.5	C	0.0713	1.25	0.82	1.001	1
1,2,3,7,8-PeCDF	23.3		0.549	3.13	1.73	1.001	1
2,3,4,7,8-PeCDF	32.3		0.512	3.13	1.66	1.024	1
1,2,3,4,7,8-HxCDF	176		0.480	3.13	1.33	1.000	1
1,2,3,6,7,8-HxCDF	79.4		0.467	3.13	1.28	1.003	1
1,2,3,7,8,9-HxCDF	1.74	J	0.599	3.13	1.13	1.037	1
2,3,4,6,7,8-HxCDF	110		0.519	3.13	1.32	1.016	1
1,2,3,4,6,7,8-HpCDF	3740	E	12.2	3.13	1.12	1.000	1
1,2,3,4,7,8,9-HpCDF	235		15.7	3.13	1.13	1.035	1
OCDF	36800	EP	0.214	6.26	0.91	1.004	1
Total Tetra-Dioxins	210		0.0299	1.25	0.79		1
Total Penta-Dioxins	279		0.159	3.13	1.60		1
Total Hexa-Dioxins	2890		0.459	3.13	1.18		1
Total Hepta-Dioxins	27000		9.98	3.13	0.99		1
Total Tetra-Furans	298		0.0713	1.25	0.83		1
Total Penta-Furans	635		0.512	3.13	1.64		1
Total Hexa-Furans	1690		0.467	3.13	1.31		1
Total Hepta-Furans	16900		12.2	3.13	1.12		1

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-32-110609
Lab Code: R0906411-034

Service Request: R0906411
Date Collected: 11/ 6/09 1335
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 79.7

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.020g
Data File Name: U133882
ICAL Date: 07/31/09

Date Analyzed: 11/18/09 2147
Date Extracted: 11/12/09
Instrument Name: E-HRMS-01
GC Column: DB-5
Blank File Name: P106111
Cal Ver. File Name: U133878

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1000	717.118	72		40-135	0.75	1.008
13C-1,2,3,7,8-PeCDD	1000	545.678	55		40-135	1.36	1.171
13C-1,2,3,6,7,8-HxCDD	2500	1568.315	63		40-135	1.09	0.992
13C-1,2,3,4,6,7,8-HpCDD	2500	1334.453	53		40-135	1.01	1.069
13C-OCDD	5000	1528.237	31	Y	40-135	0.81	1.152
13C-2,3,7,8-TCDF	1000	742.285	74		40-135	0.68	0.978
13C-1,2,3,7,8-PeCDF	1000	650.105	65		40-135	1.37	1.133
13C-1,2,3,4,7,8-HxCDF	2500	1654.911	66		40-135	0.46	0.972
13C-1,2,3,4,6,7,8-HpCDF	2500	1280.593	51		40-135	0.39	1.045
37Cl-2,3,7,8-TCDD	800	584.360	73		40-135	NA	1.009

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-32-110609
Lab Code: R0906411-034

Service Request: R0906411
Date Collected: 11/ 6/09 1335
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	28.1	0.0299	1	1	28.1
1,2,3,7,8-PeCDD	55.4	0.159	1	1	55.4
1,2,3,4,7,8-HxCDD	96.6	0.516	1	0.1	9.66
1,2,3,6,7,8-HxCDD	451	0.459	1	0.1	45.1
1,2,3,7,8,9-HxCDD	302	0.484	1	0.1	30.2
1,2,3,4,6,7,8-HpCDD	17400	26.1	50	0.01	174
OCDD	317000	6.99	50	0.0003	95.1
2,3,7,8-TCDF	20.8	0.191	1	0.1	2.08
1,2,3,7,8-PeCDF	23.3	0.549	1	0.03	0.699
2,3,4,7,8-PeCDF	32.3	0.512	1	0.3	9.69
1,2,3,4,7,8-HxCDF	176	0.480	1	0.1	17.6
1,2,3,6,7,8-HxCDF	79.4	0.467	1	0.1	7.94
1,2,3,7,8,9-HxCDF	1.74	0.599	1	0.1	0.174
2,3,4,6,7,8-HxCDF	110	0.519	1	0.1	11.0
1,2,3,4,6,7,8-HpCDF	4620	21.1	50	0.01	46.2
1,2,3,4,7,8,9-HpCDF	235	15.7	1	0.01	2.35
OCDF	45400	6.02	50	0.0003	13.6
Total TEQ					549

2005 WHO TEFs, ND = 0

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-32-110609
Lab Code: R0906411-034
Run Type: Dilution

Service Request: R0906411
Date Collected: 11/ 6/09 1335
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 79.7

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.020g
Data File Name: P205131
ICAL Date: 08/01/08

Date Analyzed: 11/26/09 0008
Date Extracted: 11/12/09
Instrument Name: E-HRMS-04
GC Column: DB-5
Blank File Name: P106111
Cal Ver. File Name: P205122

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	ND	U	1.07	62.6			50
1,2,3,7,8-PeCDD	80.8	J	4.55	157	1.63	1.000	50
1,2,3,4,7,8-HxCDD	113	J	9.45	157	1.15	0.998	50
1,2,3,6,7,8-HxCDD	591		8.37	157	1.24	1.000	50
1,2,3,7,8,9-HxCDD	381		9.10	157	1.20	1.008	50
1,2,3,4,6,7,8-HpCDD	17400		26.1	157	1.03	1.000	50
OCDD	317000	BE	6.99	313	0.90	1.000	50
2,3,7,8-TCDF	ND	U	4.16	62.6			50
1,2,3,7,8-PeCDF	ND	U	10.4	157			50
2,3,4,7,8-PeCDF	ND	U	10.3	157			50
1,2,3,4,7,8-HxCDF	227		36.5	157	1.15	1.000	50
1,2,3,6,7,8-HxCDF	106	J	35.1	157	1.17	1.004	50
1,2,3,7,8,9-HxCDF	ND	U	45.7	157			50
2,3,4,6,7,8-HxCDF	130	J	39.2	157	1.23	1.017	50
1,2,3,4,6,7,8-HpCDF	4620		21.1	157	1.01	1.000	50
1,2,3,4,7,8,9-HpCDF	316		28.8	157	1.04	1.034	50
OCDF	45400		6.02	313	0.86	1.004	50

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-32-110609
Lab Code: R0906411-034
Run Type: Dilution

Service Request: R0906411
Date Collected: 11/ 6/09 1335
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 79.7

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.020g
Data File Name: P205131
ICAL Date: 08/01/08

Date Analyzed: 11/26/09 0008
Date Extracted: 11/12/09
Instrument Name: E-HRMS-04
GC Column: DB-5
Blank File Name: P106111
Cal Ver. File Name: P205122

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1390	1071.539	77		40-135	0.76	1.009
13C-1,2,3,7,8-PeCDD	1820	1223.733	67		40-135	1.52	1.175
13C-1,2,3,6,7,8-HxCDD	3970	2375.348	60		40-135	1.22	0.992
13C-1,2,3,4,6,7,8-HpCDD	4720	3176.930	67		40-135	1.04	1.068
13C-OCDD	16100	6264.742	39	Y	40-135	0.89	1.147
13C-2,3,7,8-TCDF	1350	944.601	70		40-135	0.68	0.980
13C-1,2,3,7,8-PeCDF	1540	1132.583	74		40-135	1.52	1.135
13C-1,2,3,4,7,8-HxCDF	3790	2283.458	60		40-135	0.50	0.971
13C-1,2,3,4,6,7,8-HpCDF	4900	2805.030	57		40-135	0.43	1.044
37Cl-2,3,7,8-TCDD	800	14.071	88		40-135	NA	1.010

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-32-110609
Lab Code: R0906411-034
Run Type: Reanalysis

Service Request: R0906411
Date Collected: 11/ 6/09 1335
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 79.7

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.020g
Data File Name: P205049
ICAL Date: 03/16/09

Date Analyzed: 11/19/09 1125
Date Extracted: 11/12/09
Instrument Name: E-HRMS-04
GC Column: DB-225
Blank File Name: P205043
Cal Ver. File Name: P205042

Analyte Name	Result Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	20.8	0.191	1.25	0.77	1.001	1

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	1000	721.140	72		40-135	0.76	1.059
37Cl-2,3,7,8-TCDD	800	643.455	80		40-135	NA	0.985

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-33-110609
Lab Code: R0906411-035

Service Request: R0906411
Date Collected: 11/ 6/09 1415
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 74.1

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.645g
Data File Name: U133883
ICAL Date: 07/31/09

Date Analyzed: 11/18/09 2235
Date Extracted: 11/12/09
Instrument Name: E-HRMS-01
GC Column: DB-5
Blank File Name: P106111
Cal Ver. File Name: U133878

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	18.2		0.0432	1.27	0.77	1.001	1
1,2,3,7,8-PeCDD	22.1		0.112	3.17	1.65	1.000	1
1,2,3,4,7,8-HxCDD	39.1		0.273	3.17	1.32	0.998	1
1,2,3,6,7,8-HxCDD	110		0.243	3.17	1.12	1.000	1
1,2,3,7,8,9-HxCDD	114		0.256	3.17	1.16	1.008	1
1,2,3,4,6,7,8-HpCDD	4040	E	3.30	3.17	0.98	1.000	1
OCDD	43100	BE	0.416	6.34	0.90	1.000	1
2,3,7,8-TCDF	32.4	C	0.156	1.27	0.83	1.001	1
1,2,3,7,8-PeCDF	12.4		0.879	3.17	1.74	1.000	1
2,3,4,7,8-PeCDF	15.1		0.819	3.17	1.66	1.023	1
1,2,3,4,7,8-HxCDF	80.3		0.439	3.17	1.31	1.000	1
1,2,3,6,7,8-HxCDF	31.8		0.428	3.17	1.32	1.003	1
1,2,3,7,8,9-HxCDF	2.00	JP	0.549	3.17	1.25	1.037	1
2,3,4,6,7,8-HxCDF	41.0		0.475	3.17	1.33	1.017	1
1,2,3,4,6,7,8-HpCDF	1190	E	2.74	3.17	1.11	1.000	1
1,2,3,4,7,8,9-HpCDF	77.6		3.53	3.17	1.11	1.034	1
OCDF	8730	EP	0.140	6.34	0.90	1.004	1
Total Tetra-Dioxins	162		0.0432	1.27	0.78		1
Total Penta-Dioxins	232		0.112	3.17	1.46		1
Total Hexa-Dioxins	1060		0.243	3.17	1.19		1
Total Hepta-Dioxins	8480		3.30	3.17	0.99		1
Total Tetra-Furans	169		0.156	1.27	0.82		1
Total Penta-Furans	215		0.819	3.17	1.66		1
Total Hexa-Furans	923		0.428	3.17	1.29		1
Total Hepta-Furans	5240		2.74	3.17	1.11		1

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-33-110609
Lab Code: R0906411-035

Service Request: R0906411
Date Collected: 11/ 6/09 1415
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 74.1

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.645g
Data File Name: U133883
ICAL Date: 07/31/09

Date Analyzed: 11/18/09 2235
Date Extracted: 11/12/09
Instrument Name: E-HRMS-01
GC Column: DB-5
Blank File Name: P106111
Cal Ver. File Name: U133878

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1000	710.472	71		40-135	0.74	1.008
13C-1,2,3,7,8-PeCDD	1000	578.633	58		40-135	1.35	1.172
13C-1,2,3,6,7,8-HxCDD	2500	1418.597	57		40-135	1.09	0.992
13C-1,2,3,4,6,7,8-HpCDD	2500	1428.767	57		40-135	1.01	1.069
13C-OCDD	5000	2003.117	40		40-135	0.79	1.151
13C-2,3,7,8-TCDF	1000	756.738	76		40-135	0.67	0.979
13C-1,2,3,7,8-PeCDF	1000	686.536	69		40-135	1.35	1.133
13C-1,2,3,4,7,8-HxCDF	2500	1645.656	66		40-135	0.46	0.971
13C-1,2,3,4,6,7,8-HpCDF	2500	1282.967	51		40-135	0.39	1.045
37Cl-2,3,7,8-TCDD	800	578.819	72		40-135	NA	1.009

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-33-110609
Lab Code: R0906411-035

Service Request: R0906411
Date Collected: 11/ 6/09 1415
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	18.2	0.0432	1	1	18.2
1,2,3,7,8-PeCDD	22.1	0.112	1	1	22.1
1,2,3,4,7,8-HxCDD	39.1	0.273	1	0.1	3.91
1,2,3,6,7,8-HxCDD	110	0.243	1	0.1	11.0
1,2,3,7,8,9-HxCDD	114	0.256	1	0.1	11.4
1,2,3,4,6,7,8-HpCDD	4510	7.79	10	0.01	45.1
OCDD	55400	0.926	10	0.0003	16.6
2,3,7,8-TCDF	14.0	0.186	1	0.1	1.40
1,2,3,7,8-PeCDF	12.4	0.879	1	0.03	0.372
2,3,4,7,8-PeCDF	15.1	0.819	1	0.3	4.53
1,2,3,4,7,8-HxCDF	80.3	0.439	1	0.1	8.03
1,2,3,6,7,8-HxCDF	31.8	0.428	1	0.1	3.18
1,2,3,7,8,9-HxCDF	2.00	0.549	1	0.1	0.200
2,3,4,6,7,8-HxCDF	41.0	0.475	1	0.1	4.10
1,2,3,4,6,7,8-HpCDF	1370	8.78	10	0.01	13.7
1,2,3,4,7,8,9-HpCDF	77.6	3.53	1	0.01	0.776
OCDF	9940	0.993	10	0.0003	2.98
Total TEQ					168

2005 WHO TEFs, ND = 0

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-33-110609
Lab Code: R0906411-035
Run Type: Dilution

Service Request: R0906411
Date Collected: 11/ 6/09 1415
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 74.1

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.645g
Data File Name: P205132
ICAL Date: 08/01/08

Date Analyzed: 11/26/09 0056
Date Extracted: 11/12/09
Instrument Name: E-HRMS-04
GC Column: DB-5
Blank File Name: P106111
Cal Ver. File Name: P205122

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	19.8		0.567	12.7	0.81	1.001	10
1,2,3,7,8-PeCDD	24.1	J	0.501	31.7	1.35	1.000	10
1,2,3,4,7,8-HxCDD	40.2		1.21	31.7	1.25	0.999	10
1,2,3,6,7,8-HxCDD	154		1.08	31.7	1.27	1.000	10
1,2,3,7,8,9-HxCDD	130		1.17	31.7	1.25	1.009	10
1,2,3,4,6,7,8-HpCDD	4510		7.79	31.7	1.04	1.000	10
OCDD	55400	BE	0.926	63.4	0.89	1.000	10
2,3,7,8-TCDF	17.3	CK	0.783	12.7	0.47	1.001	10
1,2,3,7,8-PeCDF	13.1	JK	1.74	31.7	1.84	1.001	10
2,3,4,7,8-PeCDF	11.4	JK	1.72	31.7	1.93	1.025	10
1,2,3,4,7,8-HxCDF	78.0		9.78	31.7	1.07	1.000	10
1,2,3,6,7,8-HxCDF	27.3	JK	9.39	31.7	1.01	1.004	10
1,2,3,7,8,9-HxCDF	ND	U	12.3	31.7			10
2,3,4,6,7,8-HxCDF	33.5	K	10.5	31.7	1.02	1.018	10
1,2,3,4,6,7,8-HpCDF	1370		8.78	31.7	0.99	1.000	10
1,2,3,4,7,8,9-HpCDF	96.4		12.0	31.7	1.06	1.034	10
OCDF	9940		0.993	63.4	0.89	1.004	10

Comments: _____

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-33-110609
Lab Code: R0906411-035
Run Type: Dilution

Service Request: R0906411
Date Collected: 11/ 6/09 1415
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 74.1

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.645g
Data File Name: P205132
ICAL Date: 08/01/08

Date Analyzed: 11/26/09 0056
Date Extracted: 11/12/09
Instrument Name: E-HRMS-04
GC Column: DB-5
Blank File Name: P106111
Cal Ver. File Name: P205122

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1410	1013.920	72		40-135	0.80	1.009
13C-1,2,3,7,8-PeCDD	1720	1168.036	68		40-135	1.55	1.174
13C-1,2,3,6,7,8-HxCDD	4390	2252.182	51		40-135	1.25	0.992
13C-1,2,3,4,6,7,8-HpCDD	4390	2845.428	65		40-135	1.06	1.068
13C-OCDD	12500	5746.071	46		40-135	0.89	1.147
13C-2,3,7,8-TCDF	1320	957.013	73		40-135	0.75	0.979
13C-1,2,3,7,8-PeCDF	1450	1091.606	75		40-135	1.53	1.135
13C-1,2,3,4,7,8-HxCDF	3790	2163.421	57		40-135	0.51	0.970
13C-1,2,3,4,6,7,8-HpCDF	4900	2516.337	51		40-135	0.44	1.044
37Cl-2,3,7,8-TCDD	800	59.715	75		40-135	NA	1.010

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-33-110609
Lab Code: R0906411-035
Run Type: Reanalysis

Service Request: R0906411
Date Collected: 11/ 6/09 1415
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 74.1

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.645g
Data File Name: P205050
ICAL Date: 03/16/09

Date Analyzed: 11/19/09 1202
Date Extracted: 11/12/09
Instrument Name: E-HRMS-04
GC Column: DB-225
Blank File Name: P205043
Cal Ver. File Name: P205042

Analyte Name	Result Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	14.0	0.186	1.27	0.78	1.001	1

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	1000	663.014	66		40-135	0.76	1.059
37Cl-2,3,7,8-TCDD	800	621.825	78		40-135	NA	0.986

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-34-110609
Lab Code: R0906411-036

Service Request: R0906411
Date Collected: 11/ 6/09 1455
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 74.7

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.505g
Data File Name: U133884
ICAL Date: 07/31/09

Date Analyzed: 11/18/09 2322
Date Extracted: 11/12/09
Instrument Name: E-HRMS-01
GC Column: DB-5
Blank File Name: P106111
Cal Ver. File Name: U133878

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	1.26	J	0.0404	1.27	0.68	1.001	1
1,2,3,7,8-PeCDD	3.24		0.0503	3.19	1.62	1.000	1
1,2,3,4,7,8-HxCDD	4.71		0.124	3.19	1.09	0.999	1
1,2,3,6,7,8-HxCDD	15.8		0.110	3.19	1.15	1.000	1
1,2,3,7,8,9-HxCDD	15.0		0.116	3.19	1.19	1.009	1
1,2,3,4,6,7,8-HpCDD	450		0.838	3.19	0.99	1.000	1
OCDD	4730	BE	0.209	6.37	0.89	1.000	1
2,3,7,8-TCDF	6.09	C	0.0319	1.27	0.85	1.002	1
1,2,3,7,8-PeCDF	3.43		0.177	3.19	1.70	1.000	1
2,3,4,7,8-PeCDF	3.23		0.165	3.19	1.59	1.023	1
1,2,3,4,7,8-HxCDF	17.2		0.887	3.19	1.29	1.000	1
1,2,3,6,7,8-HxCDF	8.07		0.864	3.19	1.33	1.003	1
1,2,3,7,8,9-HxCDF	ND	U	1.11	3.19			1
2,3,4,6,7,8-HxCDF	7.51		0.960	3.19	1.42	1.017	1
1,2,3,4,6,7,8-HpCDF	168		0.500	3.19	1.11	1.000	1
1,2,3,4,7,8,9-HpCDF	18.9		0.643	3.19	1.12	1.034	1
OCDF	850		0.120	6.37	0.90	1.004	1
Total Tetra-Dioxins	36.9		0.0404	1.27	0.75		1
Total Penta-Dioxins	47.6		0.0503	3.19	1.38		1
Total Hexa-Dioxins	149		0.110	3.19	1.17		1
Total Hepta-Dioxins	928		0.838	3.19	0.99		1
Total Tetra-Furans	37.1		0.0319	1.27	0.78		1
Total Penta-Furans	56.6		0.165	3.19	1.62		1
Total Hexa-Furans	170		0.864	3.19	1.32		1
Total Hepta-Furans	612		0.500	3.19	1.11		1

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Saugnet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-34-110609
Lab Code: R0906411-036

Service Request: R0906411
Date Collected: 11/ 6/09 1455
Date Received: 11/ 7/09
Units: Percent
Basis: Dry
Percent Solids: 74.7

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.505g
Data File Name: U133884
ICAL Date: 07/31/09

Date Analyzed: 11/18/09 2322
Date Extracted: 11/12/09
Instrument Name: E-HRMS-01
GC Column: DB-5
Blank File Name: P106111
Cal Ver. File Name: U133878

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1000	667.753	67		40-135	0.74	1.008
13C-1,2,3,7,8-PeCDD	1000	571.622	57		40-135	1.36	1.172
13C-1,2,3,6,7,8-HxCDD	2500	1464.508	59		40-135	1.10	0.992
13C-1,2,3,4,6,7,8-HpCDD	2500	1454.339	58		40-135	0.99	1.069
13C-OCDD	5000	2225.433	45		40-135	0.79	1.151
13C-2,3,7,8-TCDF	1000	674.951	67		40-135	0.67	0.978
13C-1,2,3,7,8-PeCDF	1000	658.260	66		40-135	1.36	1.133
13C-1,2,3,4,7,8-HxCDF	2500	1654.670	66		40-135	0.46	0.971
13C-1,2,3,4,6,7,8-HpCDF	2500	1263.410	51		40-135	0.39	1.045
37Cl-2,3,7,8-TCDD	800	546.687	68		40-135	NA	1.009

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-34-110609
Lab Code: R0906411-036

Service Request: R0906411
Date Collected: 11/ 6/09 1455
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	1.26	0.0404	1	1	1.26
1,2,3,7,8-PeCDD	3.24	0.0503	1	1	3.24
1,2,3,4,7,8-HxCDD	4.71	0.124	1	0.1	0.471
1,2,3,6,7,8-HxCDD	15.8	0.110	1	0.1	1.58
1,2,3,7,8,9-HxCDD	15.0	0.116	1	0.1	1.50
1,2,3,4,6,7,8-HpCDD	450	0.838	1	0.01	4.50
OCDD	4730	0.209	1	0.0003	1.42
2,3,7,8-TCDF	2.64	0.116	1	0.1	0.264
1,2,3,7,8-PeCDF	3.43	0.177	1	0.03	0.103
2,3,4,7,8-PeCDF	3.23	0.165	1	0.3	0.969
1,2,3,4,7,8-HxCDF	17.2	0.887	1	0.1	1.72
1,2,3,6,7,8-HxCDF	8.07	0.864	1	0.1	0.807
1,2,3,7,8,9-HxCDF	ND	1.11	1	0.1	
2,3,4,6,7,8-HxCDF	7.51	0.960	1	0.1	0.751
1,2,3,4,6,7,8-HpCDF	168	0.500	1	0.01	1.68
1,2,3,4,7,8,9-HpCDF	18.9	0.643	1	0.01	0.189
OCDF	850	0.120	1	0.0003	0.255
Total TEQ					20.7

2005 WHO TEFs, ND = 0

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-34-110609
Lab Code: R0906411-036
Run Type: Reanalysis

Service Request: R0906411
Date Collected: 11/ 6/09 1455
Date Received: 11/ 7/09
Units: ng/Kg
Basis: Dry
Percent Solids: 74.7

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.505g
Data File Name: P205051
ICAL Date: 03/16/09

Date Analyzed: 11/19/09 1238
Date Extracted: 11/12/09
Instrument Name: E-HRMS-04
GC Column: DB-225
Blank File Name: P205043
Cal Ver. File Name: P205042

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	2.64	K	0.116	1.27	0.93	1.001	1

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	1000	616.524	62		40-135	0.77	1.059
37Cl-2,3,7,8-TCDD	800	560.376	70		40-135	NA	0.985

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: Method Blank
Lab Code: EQ0900466-01

Service Request: R0906411
Date Collected: NA
Date Received: NA
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.000g
Data File Name: P106031
ICAL Date: 09/11/09

Date Analyzed: 11/13/09 1917
Date Extracted: 11/10/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106031
Cal Ver. File Name: P106029

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	ND	U	0.149	1.00			1
1,2,3,7,8-PeCDD	ND	U	0.138	2.50			1
1,2,3,4,7,8-HxCDD	ND	U	0.124	2.50			1
1,2,3,6,7,8-HxCDD	ND	U	0.112	2.50			1
1,2,3,7,8,9-HxCDD	ND	U	0.119	2.50			1
1,2,3,4,6,7,8-HpCDD	ND	U	0.158	2.50			1
OCDD	1.65	J	0.275	5.00	0.96	1.000	1
2,3,7,8-TCDF	ND	U	0.126	1.00			1
1,2,3,7,8-PeCDF	ND	U	0.155	2.50			1
2,3,4,7,8-PeCDF	ND	U	0.154	2.50			1
1,2,3,4,7,8-HxCDF	ND	U	0.0884	2.50			1
1,2,3,6,7,8-HxCDF	ND	U	0.0844	2.50			1
1,2,3,7,8,9-HxCDF	ND	U	0.114	2.50			1
2,3,4,6,7,8-HxCDF	ND	U	0.0966	2.50			1
1,2,3,4,6,7,8-HpCDF	ND	U	0.0833	2.50			1
1,2,3,4,7,8,9-HpCDF	ND	U	0.116	2.50			1
OCDF	ND	U	0.197	5.00			1
Total Tetra-Dioxins	ND	U	0.149	1.00			1
Total Penta-Dioxins	ND	U	0.138	2.50			1
Total Hexa-Dioxins	ND	U	0.112	2.50			1
Total Hepta-Dioxins	ND	U	0.158	2.50			1
Total Tetra-Furans	ND	U	0.126	1.00			1
Total Penta-Furans	ND	U	0.154	2.50			1
Total Hexa-Furans	ND	U	0.0844	2.50			1
Total Hepta-Furans	ND	U	0.0833	2.50			1

Comments: _____

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: Method Blank
Lab Code: EQ0900466-01

Service Request: R0906411
Date Collected: NA
Date Received: NA
Units: Percent
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.000g
Data File Name: P106031
ICAL Date: 09/11/09

Date Analyzed: 11/13/09 1917
Date Extracted: 11/10/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106031
Cal Ver. File Name: P106029

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1000	557.887	56		40-135	0.76	1.009
13C-1,2,3,7,8-PeCDD	1000	615.432	62		40-135	1.48	1.178
13C-1,2,3,6,7,8-HxCDD	2500	1546.438	62		40-135	1.26	0.992
13C-1,2,3,4,6,7,8-HpCDD	2500	1469.177	59		40-135	1.03	1.068
13C-OCDD	5000	2107.678	42		40-135	0.87	1.149
13C-2,3,7,8-TCDF	1000	539.221	54		40-135	0.78	0.979
13C-1,2,3,7,8-PeCDF	1000	627.800	63		40-135	1.58	1.139
13C-1,2,3,4,7,8-HxCDF	2500	1578.684	63		40-135	0.53	0.971
13C-1,2,3,4,6,7,8-HpCDF	2500	1485.390	59		40-135	0.45	1.045
37Cl-2,3,7,8-TCDD	800	494.782	62		40-135	NA	1.011

Comments: _____

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: Method Blank
Lab Code: EQ0900467-01

Service Request: R0906411
Date Collected: NA
Date Received: NA
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.000g
Data File Name: P106058
ICAL Date: 09/11/09

Date Analyzed: 11/16/09 1136
Date Extracted: 11/11/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P106057

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	ND	U	0.150	1.00			1
1,2,3,7,8-PeCDD	ND	U	0.196	2.50			1
1,2,3,4,7,8-HxCDD	ND	U	0.251	2.50			1
1,2,3,6,7,8-HxCDD	ND	U	0.228	2.50			1
1,2,3,7,8,9-HxCDD	ND	U	0.241	2.50			1
1,2,3,4,6,7,8-HpCDD	0.725	J	0.218	2.50	0.98	1.000	1
OCDD	2.90	J	0.434	5.00	0.98	1.000	1
2,3,7,8-TCDF	ND	U	0.154	1.00			1
1,2,3,7,8-PeCDF	ND	U	0.135	2.50			1
2,3,4,7,8-PeCDF	ND	U	0.133	2.50			1
1,2,3,4,7,8-HxCDF	ND	U	0.117	2.50			1
1,2,3,6,7,8-HxCDF	ND	U	0.112	2.50			1
1,2,3,7,8,9-HxCDF	ND	U	0.150	2.50			1
2,3,4,6,7,8-HxCDF	ND	U	0.128	2.50			1
1,2,3,4,6,7,8-HpCDF	0.437	JK	0.156	2.50	1.24	1.000	1
1,2,3,4,7,8,9-HpCDF	ND	U	0.217	2.50			1
OCDF	0.987	J	0.330	5.00	0.99	1.004	1
Total Tetra-Dioxins	ND	U	0.150	1.00			1
Total Penta-Dioxins	ND	U	0.196	2.50			1
Total Hexa-Dioxins	ND	U	0.228	2.50			1
Total Hepta-Dioxins	0.725	J	0.218	2.50	0.98		1
Total Tetra-Furans	ND	U	0.154	1.00			1
Total Penta-Furans	ND	U	0.133	2.50			1
Total Hexa-Furans	ND	U	0.112	2.50			1
Total Hepta-Furans	0.226	J	0.156	2.50	0.91		1

Comments:

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: Method Blank
Lab Code: EQ0900467-01

Service Request: R0906411
Date Collected: NA
Date Received: NA
Units: Percent
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.000g
Data File Name: P106058
ICAL Date: 09/11/09

Date Analyzed: 11/16/09 1136
Date Extracted: 11/11/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106058
Cal Ver. File Name: P106057

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1000	605.570	61		40-135	0.77	1.009
13C-1,2,3,7,8-PeCDD	1000	635.830	64		40-135	1.54	1.178
13C-1,2,3,6,7,8-HxCDD	2500	1720.254	69		40-135	1.25	0.992
13C-1,2,3,4,6,7,8-HpCDD	2500	1557.316	62		40-135	1.03	1.068
13C-OCDD	5000	2168.173	43		40-135	0.90	1.148
13C-2,3,7,8-TCDF	1000	577.040	58		40-135	0.78	0.979
13C-1,2,3,7,8-PeCDF	1000	659.193	66		40-135	1.54	1.138
13C-1,2,3,4,7,8-HxCDF	2500	1740.661	70		40-135	0.53	0.971
13C-1,2,3,4,6,7,8-HpCDF	2500	1571.593	63		40-135	0.44	1.045
37Cl-2,3,7,8-TCDD	800	574.975	72		40-135	NA	1.010

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: Method Blank
Lab Code: EQ0900470-01

Service Request: R0906411
Date Collected: NA
Date Received: NA
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.000g
Data File Name: P106111
ICAL Date: 09/11/09

Date Analyzed: 11/18/09 1315
Date Extracted: 11/12/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106111
Cal Ver. File Name: P106105

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	ND	U	0.0908	1.00			1
1,2,3,7,8-PeCDD	ND	U	0.0743	2.50			1
1,2,3,4,7,8-HxCDD	ND	U	0.0563	2.50			1
1,2,3,6,7,8-HxCDD	ND	U	0.0511	2.50			1
1,2,3,7,8,9-HxCDD	ND	U	0.0540	2.50			1
1,2,3,4,6,7,8-HpCDD	ND	U	0.0886	2.50			1
OCDD	0.418	JK	0.134	5.00	1.26	1.000	1
2,3,7,8-TCDF	ND	U	0.119	1.00			1
1,2,3,7,8-PeCDF	ND	U	0.0631	2.50			1
2,3,4,7,8-PeCDF	ND	U	0.0624	2.50			1
1,2,3,4,7,8-HxCDF	ND	U	0.0455	2.50			1
1,2,3,6,7,8-HxCDF	ND	U	0.0435	2.50			1
1,2,3,7,8,9-HxCDF	ND	U	0.0583	2.50			1
2,3,4,6,7,8-HxCDF	ND	U	0.0498	2.50			1
1,2,3,4,6,7,8-HpCDF	ND	U	0.0602	2.50			1
1,2,3,4,7,8,9-HpCDF	ND	U	0.0838	2.50			1
OCDF	ND	U	0.129	5.00			1
Total Tetra-Dioxins	ND	U	0.0908	1.00			1
Total Penta-Dioxins	ND	U	0.0743	2.50			1
Total Hexa-Dioxins	ND	U	0.0511	2.50			1
Total Hepta-Dioxins	ND	U	0.0886	2.50			1
Total Tetra-Furans	ND	U	0.119	1.00			1
Total Penta-Furans	ND	U	0.0624	2.50			1
Total Hexa-Furans	ND	U	0.0435	2.50			1
Total Hepta-Furans	ND	U	0.0602	2.50			1

Comments: _____

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauguet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: Method Blank
Lab Code: EQ0900470-01

Service Request: R0906411
Date Collected: NA
Date Received: NA
Units: Percent
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.000g
Data File Name: P106111
ICAL Date: 09/11/09

Date Analyzed: 11/18/09 1315
Date Extracted: 11/12/09
Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: P106111
Cal Ver. File Name: P106105

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1000	695.819	70		40-135	0.78	1.009
13C-1,2,3,7,8-PeCDD	1000	733.246	73		40-135	1.57	1.179
13C-1,2,3,6,7,8-HxCDD	2500	1628.274	65		40-135	1.27	0.991
13C-1,2,3,4,6,7,8-HpCDD	2500	1642.854	66		40-135	1.05	1.069
13C-OCDD	5000	2524.997	50		40-135	0.89	1.149
13C-2,3,7,8-TCDF	1000	724.227	72		40-135	0.78	0.979
13C-1,2,3,7,8-PeCDF	1000	790.531	79		40-135	1.59	1.139
13C-1,2,3,4,7,8-HxCDF	2500	1639.645	66		40-135	0.52	0.970
13C-1,2,3,4,6,7,8-HpCDF	2500	1481.584	59		40-135	0.43	1.045
37Cl-2,3,7,8-TCDD	800	631.862	79		40-135	NA	1.010

Comments: _____